Bids Close		See Eng. News-Record
May 21	Paving—Washington, D. C. Adv. May 8.	May 8
May 21	Paving Material—Washington, D. C.	May 8
May 22	Rip Rap—Duluth, Minn.	May 1
May 22	Road Work — Grangeville, Idaho	May 8
May 26	Laboratory—Fairport, Ia.	May 1
May 26	Superstructure — Chicago, Ill. Adv. May 1.	May 1
May 26	Bridge—Washington, D. C.	May 8
May 26	Tunnel—Spec. 3879—Philadelphia, Pa.	May 8
May 26	Medical Storage Building—Spec. 3462—Hampton Rds., Va.	May 8
May 26	Steam Distributing System—Spec. 3876—Philadelphia, Pa.	May 8
May 26	Motor Generator Sets and Switchboard—Spec. 3872—Hampton Roads, Va.	May 8
May 26	Rip Rap—Philadelphia, Pa.	May 1
May 27	School—Ft. Bidwell, Cal.	May 8
May 27	Dredging—Wilmington, Del. Adv. May 1.	May 1
May 28	Jetty and Revetment—Jacksonville, Fla. Adv. May 1.	May 1
May 28	Lock and Abutment—Cincinnati, O. Adv. May 1.	May 1
May 28	Post Office—Elkhart, Ind.	May 8
May 28	Dredging — New London, Conn. Adv. May 8.	May 8
June 2	Dam and Bridge—Sacaton, Ariz. Adv. May 1.	May 1
June 4	Air Station—Spec. 3864—Galveston, Tex.	May 8
June 6	Post Office—Bellefourche, S. D. Adv. May 1.	May 1

MISCELLANEOUS

May 12	Tower — Prince Rupert, B. C.	Apr. 24
May 12	Granite Blocks, etc.—Sherbrooke, Que.	May 1
May 13	Masons Material — Jersey City, N. J.	May 8
May 15	Lighting System—Mandan, N. D. Adv. May 1.	May 1
May 21	Road Machinery—Harrisburg., Pa.	May 8
May 29	Fill and Bulkhead—Astoria, Ore.	May 8
June 3	Coal Handling Equipment—Toledo, O.	May 8

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Rochester—See "Streets and Roads."

O., Jewett—City having plans prepared by W. J. Sherman, engr., 613 Nasby Bldg., Toledo, building water-works system. Work includes sinking wells and building pumping plant and pipe lines.

Kan., Caldwell—City having plans prepared by Burns & McDonnell, engrs., Interstate Bldg., Kansas City, Mo., building water supply line. About $75,000.

N. D., Fargo—City had plans prepared laying 1000 ft. 6 in. and 1410 ft. 8 in. water mains in Bway. between 6th and 11th Aves. About $9000. W. Stevenson, city engr.

Mont., Roundup—City election May 15 to vote on $12,000 bonds to build additional water reservoir. F. Quinnell, Roundup, engr.

Mo., Jefferson City—State Legislature passed bill authorizing building water trunk line to supply large area in northern Missouri. Work involves iron pipe, steel tanks, pumping equipment, etc. Address A. L. McCawley, c/o pub. serv. comn.

Tex., Dallas—See "Streets and Roads."

Cal., Fresno—Fresno City Water Co. plans to drill well and build 2 pumping stations, 1 near Wishon Ave. and Atchison, Topeka & Santa Fe Ry., other near C and California Sts.

BIDS DESIRED

Ga., Griffin—See "Streets and Roads."

Minn., Albert Lea—Until May 13, by C. J. Dudley, city clk., building 1,500,000 gal. rein.-con. circular reservoir, 125,000 gal. rein.-con. tank and tower, 800 gal. per min. centrifugal pump direct connected to 15 hp. steam turbine, piping, valves, water mains, etc. About $50,000. J. H. A. Brahtz, 320 Commercial Bldg., St. Paul, consult. engr. Noted Apr. 10.

Minn., Fairmont—Until May 15, by city, building water purification plant. C. H. Currie, Webster City, engr. Noted Jan. 9.

Mont., Hardin—Until May 27, by City Council laying 13,910 lin.ft. 4-6 in. Matheson pipe, and installing 22 hydrants, necessary valves and fittings. E. C. Flickinger, Hardin, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★Ga., Atlanta—City let contract building coagulating basin at waterworks system, to Case & Cothran, Candler Bldg. About $90,000. Noted Apr. 3.

★O., Toledo—Comrs. Lucas Co. let contract laying 7720 ft. 6-in. c.i. pipe in Water Line No. 4, Overland Heights, to S. L. Cothrel, Ohio Bldg., $12,678. Noted May 1.

Minn., New Ulm—City received bids building waterworks system, from Badger Constr. Co., 97 Wisconsin St., Milwaukee, Wis., $10,941; W. C. Frazer, 707 Guardian Life Bldg., St. Paul, $11,200; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, $11,123. Noted Apr. 24.

★Cal., Arcadia—City let contract furnishing and laying 3000 ft. 12-16 in. riveted steel pipe in Santa Anita Ave., to Western Pipe & Steel Co., 1758 North Bway., Los Angeles, $5094.

★Cal., Oildale—Bd. Supervs. Kern Co., Bakersfield, will build water system. Cost, using c.i. pipe, $34,890; soft steel pipe, $25,850. Work involves drilling wells, laying mains and laterals and providing for fire protection. Bonds for $20,000 voted for project and $20,000 additional bonds will be voted. Work will be done by day labor. A. E. Stegeman, Bakersfield, co. surv.

Sewers

PROPOSED WORK

N. Y., Carthage—J. Thompson, Carthage, purchased property between North Washington and North Clinton Sts. and plans to install sewer service to all lots on tract; also build sewage disposal plant. About $13,500.

Pa., Dormont (Pittsburgh P. O.)—See "Streets and Roads."

Pa., Pittsburgh—City plans to build sewers in Harbor, Heizel, Asylum, Bader, Admiral Sts., Fall Way and private property from Miles Way to existing sewer on Firth St. About $16,600. N. S. Sprague, city engr.

W. Va., South Charleston—City voted $144,500 bonds to build sewerage system and pave streets.

O., Akron—Comrs. Summit Co. rejected bids received Apr. 22. building sewerage system in Tallmadge Dist. No. 1., involving 2500 ft. 12 in. vitr. pipe. Work will be readvertised. Noted Apr. 10.

Mich., Lansing—City plans to trench, back fill and lay 5.1 mi. 8-46 in. sewers in Holmes, Bensch, Dakin, Lathrop, Allen, Shepherd and Leslie Sts. About $46,000. M. L. Moore, city engr.

Ia., Casey—Town Council receives bids about June 15, building 3 mi. vitr. pipe sanitary sewers in various streets. About $17,000. C. H. Currie, Webster City, engr.

Ia., Pomeroy—City receives bids about June 1, building 4 mi. vitr. pipe sanitary sewers in various streets. About $25,000. C. H. Currie, Webster City, engr.

Ia., Rock Valley—Town soon receives bids building 4 mi. vitr. pipe sanitary sewers and pumps in practically all streets in town. About $30,000. C. H. Currie, Webster City, engr.

Neb., Clay Center—See "Streets and Roads."

Mont., Cut Bank—City voted $48,000 bonds to complete sewerage system. H. P. Walters, Minot Bldg., Great Falls, engr. Noted Apr. 3.

Wash., Seattle—Bd. Pub. Wks. rejected only bid received Apr. 25, building sewer in Empire Way from 42nd to Orcas Sts. Work will be readvertised. A. H. Dimock, city engr. Noted Apr. 24.

Cal., Los Angeles—Bd. Pub. Wks. soon receives bids building 23,000 ft. cement pipe sewers in 63rd Pl., Vermont and Denker Aves., et al. About $95,000. W. T. Knowlton, sewer engr.

Ont., Dundas—Town plans to build sewage disposal plant. About $50,000. J. W. Tyrrell & Co., 7 Hughson St., S., engr.

Ont., Hamilton—City having estimates prepared for complete storm water overflow sewerage system. About $150,000. E. R. Grey, city engr.

Ont., Pembroke—Town having plans prepared and soon receives bids building sewers in various streets. About $13,675. W. J. Moore, town engr.

BIDS DESIRED

O., Barberton—Until May 17, by city building North Side Lateral Sewerage System, involving 35,940 ft. 8-12 in. vitr. pipe, earth excav., etc. A. W. Alcorn, city engr.

Wis., Beloit—Until May 12, by Bd. Pub. Wks., building sewers in Sewerage Dist. "B" in Prairie Ave., involving 2007 lin.ft. 10-in. and 109 ft. 8-in. vitr. pipe. G. E. Heebink, comr.

Wis., Beloit—Until May 16, by Bd. Pub. Wks., building sewer, water and gas mains, from present mains to 1 ft. back of curb line, in Bluff, Brooks, 8th, Elm, Mill, North, 6th and Vine Sts., Dewey, Lincoln, McKinley, Nelson, Park, Prairie and Woodward Aves. G. E. Heebink, comr.

Wis., Milwaukee—Until May 15, by Sewerage Comn., City Hall, building extension to intercepting sewer, involving intercepting and regulating structures together with all connections to existing sewers and other appurtenances. J. H. Fowles, secy.; advertised in this issue.

Wis., Milwaukee—Until May 22, by Sewerage Comn., City Hall, building extensions to intercepting sewer, involving hauling and laying 2370 lin.ft. 72 in. pre-moulded rein.-con. pipe, 1 valve chamber complete, including 72 in. sluice gate together with all manholes and other appurtenances. J. H. Fowles, secy.; advertised in this issue.

Minn., Litchfield—Until May 15, by F. O. Holm, village recorder, laying 1125 ft. 10-in., 3360 ft. 8-in. and 2770 ft. 8-in. pipe. R. P. McNamara, Litchfield, engr.

Okla., Frederick—Until May 13, at office of D. W. Womack, clk., extending sanitary sewerage system. Work involves 26,775 cu.yd. trench excav., 5-17 ft. deep, 45,310 lin.ft. 6-15 in. vitr. or cement pipe, 1032 specials and 86 manholes; advertised in this issue.

Cal., Fresno—Until May 19, by C. Dillon, city clk., building sewers, Sect. 1 involving 36,014 lin.ft. 8-27-in. pipe, 23 drop manholes and 65 standard manholes; Sect. 2, 656 lin.ft. 8-in. and 3708 lin.ft. 6-in. pipe, 10 standard manholes and 5 standard lamp holes. C. Murray, city engr. Contract will be let in 2 sections.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contracts)

★Conn., Bridgeport—City let contract building sanitary sewers in Evergreen St., Wood and Lincoln Aves., to Pierce Mfg. Co., 785 Housatonic Ave., $15,781; in Grand St., to L. Jacques Constr. Co., 808 Montgomery Ave., Elizabeth, N. J., $10,560. Noted Apr. 24.

★Conn., Ridgefield—City let contract laying 5200 ft. 8 in. tile sewer in Byron Park, to T. F. Foley & Co., 23 Quintard St., South Norwalk. About $20,000. Noted Apr. 17.

★Pa., Coatesville—City let contract building Gibbons Run Drain, to Dunleavy Bros., Coatesville, $94,532. Noted Apr. 10.

★O., Akron—Coventry Land Impvt. Co., 1115 South Main St., let contract furnishing material and completing various sanitary sewers, house branches and water services in Firestone Park, to Shullo Bros., 41 Byers Ave. About $16,000. Noted Apr. 10.

Sewers (Continued)

★**O., Cincinnati**—City let contracts building sewer in (a) Rulison, Corondo, Jula and Loretta Aves., etc., involving 6235 ft. 8-22 in. vitr. pipe; (b) extending Paxton Ave. sewer and branch of interceptor to Brotherton Rd. and Penn. R. R., 1254 ft. 15-24 in. vitr. pipe, (c) relief sewer in Ballard Ave. right of way, 1635 ft. 27 in. vitr. pipe; (d) Winston Rd. and Hannan Ave., 2540 ft. 8-18 in. vitr. pipe, to J. B. McLean Co., (a) $30,343; (b) $39,304; T. P. Strach & Co., 31 Goodall Bldg., (c) $23,713; (d) $17,603.

☆**O., Cleveland**—City let contract building sewer in East 87th St. from Euclid to Hough Aves., to Manson Co., The Arcade, $11,848; East 174th St. from Lake Shore Blvd. to Grovewood Ave., to Brookside Constr. Co., 3905 West 20th St., $11,661. Noted May 1.

O., Cleveland—City received bids building sewers in (a) East 40th St. from Central to Scoville Aves., (b) East 82nd St. from Superior to Decker Aves., from Amata Constr. Co., 343 The Arcade, (a) $44,396, (b) $54,849; Manson Co., 435 The Arcade, (a) $45,382, (b) $50,044; River Constr. Co., 12109 Mayfield Rd., (a) $46,114; W. P. Gibbons Co., 430 Leader News Bldg., (b) $50,613. Noted May 1.

★**O., Toledo**—Comrs. Lucas Co. let contract building Sewer No. 34, Overland Heights, involving 6265 ft. 8-in. vitr. pipe, to J. Kelly, 626 Avondale Ave., $13,786.

★**Ind., Terre Haute**—City let contract laying 1650 ft. 20-24 vitr. and 1010 ft. 30 in. segmental block sewer pipe in Poplar St., to W. H. Harris, Terre Haute, $14,967. Noted Apr. 10.

★**Ill., Chicago**—J. McGillen, clk. sanitary dist., Room 700, 910 South Michigan Ave., received lowest 3 bids building Des Plaines River sewage treatment works, Div. A, from Leyden-Ortseifen Co., 53 West Jackson Blvd., $384,281; J. O. Heyworth, 606 South Michigan Ave., $386,533; J. W. Page, 189 West Madison St., $404,834; Div. C, from Milwaukee Bridge Co. 1400—34th St., Milwaukee, $4800; Kenwood Bridge Co., 38 South Dearborn St., $4800; Gage Structural Steel Co., 3141 South Hoyne Ave., $5100; Div. N, Bedford Fdry. and Machine Co., 806 Jackson Blvd., $2300; Whiting Fdry. Equipment Co., 140 S. Dearborn St., $3335; Div. O, E. E. Maher, 332 South Michigan Ave., $9050; Kling Bros. Eng. Wks., 1300 North Kostner Ave., $11,924; Div. P, W. A. Jackson Co., 37 West Van Buren St., $22,375; Div. R, Stannard Power Equipment Co. 53 West Jackson Blvd., $22,795; Div. V, Coffin Valve Co., $6250; Chapman Valve Co., 111 West Washington St., $6400; Div. W, Builders Iron Fdry., 209 South La Salle St., $12,760. J. W. Page, bid on all divisions, $489,044. Noted Apr. 10.

★**Wis., Sheboygan Falls**—City let contract to A. Mollman, Sheboygan Falls, excavating and laying 1.5 mi. storm sewer in Main and Division Sts., involving 950 ft. 10 in. and 1570 ft. 12 in. vitr. pipe, cost $18,500; to A. Zurherde, Michigan Ave., Sheboygan, building sewer and water connections, excavating and laying 18,000 ft. sewers in Bway. and Main Sts., $0.95 per ft.

★**Okla., Miami**—City let contract building tile sewers and sanitary sub main in Dist. Nos. 37, 38, and 39, to **Owings & Shafer Co.**, Miami, $16,717.

★**Wash., Coulee City**—City let contract extending sewers, to J. C. Broad, Jamieson Bldg., Spokane, $32,695.

Wash., Seattle—Bd. Pub. Wks. received bids Apr. 25, building sewer in 44th Ave. S. W., involving 11,768 lin.ft. 8-12 in. clay or concrete pipe, from Coluccio & Niblett, $48,412; F. N. Badolato, $50.142; S. A. Moceri, $56,834.

Wash., Seattle—Bd. Pub. Serv. received bids building Firlands Sanitorium Sewer, involving 10,710 ft. 8 in. pipe (a) clay, (b) concrete, from J. De Julio, Seattle, (a) and (b) $28,021; F. N. Badolato, Seattle, (a) $33,553, (b) $33,017.

★**Cal., Los Angeles**—See "Streets and Roads."

★**Que., Montreal**—City let contract building sewer in Rachel St., to De Keyser-Wanters Co., 3091 Lagerunse St. About $12,000.

★**Ont., Hamilton**—City let contract building sewers in various streets, to Brennen Holling, 100 Melrose St. About $37,000. Noted Mar. 13.

Bridges

PROPOSED WORK

Conn., Darien—See "Streets and Roads."

N. Y., Warsaw—Village purchased 5 acre site and plans to build concrete and timber trestle and loading bins for coal, coke, crushed stone, sand, etc. About $12,000.

N. J., Jersey City—City plans to build concrete and steel viaduct through 12th St. from here to Hudson City Sect. About $200,000. State Highway Comn., Trenton, may bear half of cost.

Pa., Wilkes-Barre—Comrs. Luzerne Co. plan to build rein.-con. and steel memorial bridge 1200 to 1500 ft. long, 80 to 100 ft. wide, over Susquehanna River on Market St. About $1,000,000. B. H. Davis, 17 Battery Pl., New York City, engr. Carrere & Hastings, 52 Vanderbilt Ave., New York City, archts.

O., Akron—Summit Co. having plans prepared building 48 ft. rein.-con., slab and girder bridge, 42 ft. wide, over old Ohio Canal on Ash St. 33-ft. roadway and one 9-ft. brick sidewalk. C. Costigan, co. engr.

O., Greenlawn (Briggsdale P. O.)—Franklin Co. (Columbus) having plans prepared building 735 ft. concrete arch bridge over Scioto River, 28 ft. wide. Work involves grading and building coffer dam and two 6 ft. sidewalks. About $400,000. J. A. Dunn, co. engr.

Mich., Detroit—City voted $3,000,000 bonds to build 2200 ft. steel framed cantilever type bridge from Grand Blvd. to Belle Isle, 85 ft. wide, rein.-con. floors, to consist of 19 spans; middle roadway 59 ft. wide with 12 ft. sidewalks on each side. M. E. Cooley, Ann Arbor, engr. Noted Jan. 9.

Ia., Humboldt—Bd. Supervs. Humboldt Co. soon receives bids building 3 span concrete arch bridge, 200 ft. long, 20 ft. wide. About $25,000. L. D. Snyder, co. engr.

Ia., Leon—Bd. Supervs. Decatur Co. soon receives bids building 200 ft. steel bridge, 20 ft. wide, over Little River on Jefferson Highway, concrete abutments and approach spans. About $15,000. O. Sjolander, co. engr.

Ia., Logan—Bd. Supervs. Harrison Co. soon receives bids building 58 bridges and culverts in various townships. About $35,000. A. W. Gaines, co. engr.

Ia., Marshalltown—City soon receives bids building 106 ft. rainbow arch bridge, 42 ft. wide, 12 ft. sidewalk on each side. About $30,000. Marsh Eng. Co., East 7th and Vine Sts., Des Moines, engrs.

Ia., Mt. Ayr—Bd. Supervs. Ringgold Co. soon receives bids building 55 bridges and culverts on Ringgold Co. Federal Aid Project. About $30,000. S. E. Sime, co. engr.

Mo., Clayton—St. Louis Co. soon lets contract building one 18 ft. span T beam bridge over Moline Creek on Florissant Rd.; one 12 ft. span slab bridge over Wild Horse Creek, and one 10 ft. span slab over Bonhomme Creek, all rein.-con.; also building end wall and rein.-con. slab on 3 x 4 ft. box culvert and end wall on 18 ft. pipe culvert, rubble masonry. W. Elbring, co. engr.

Tex., Dallas—See "Street and Roads."

Wash., Adna—Comrs. Lewis Co. (Chehalis) rejected bids received Apr. 7, building 220 ft. steel span bridge with 500 ft. approach, 16 ft. wide, over Chehalis River, here. About $25,000. Work will be readvertised. Noted Apr. 24.

Cal., Bakersfield—Bd. Supervs. Kern Co. plans to build steel bridge over outlet canal at Western Waterworks plant, 24 mi. west of here. A. E. Stegeman, co. surv.

Que., L' Assomption—Municipal Council plans to build concrete and steel bridge, concrete flooring, 340 ft. long, 16 ft. wide over L' Assomption River. I. E. Vallee, Parliament Bldg., Quebec, engr

Que., Yamachiche—Municipal Council had plans drawn for 70 ft. concrete and steel bridge, rein.-con. flooring, 18 ft. wide, over Yamachiche River. I. E. Vallee, Parliament Bldg., Quebec, engr.

BIDS DESIRED

Conn., Stratford (Bridgeport P. O.)—Until June 5, by State Highway Dept., Hartford, building bridge over Housatonic River between Stratford and Milford Twps., Fairfield and New Haven Counties, main structure to be 100 ft. clear span, 60 ft. wide, 5 arches, 2 girder approach spans about 52 ft. long, to be paved; advertised in this issue.

N. Y., Rome—Until May 14, by Supt. Pub. Wks., Capitol, Albany, building 8 ft. pipe culvert over Barge Canal here, involving 11,000 cu.yd. excav., 164,000 lb. metal in culvert pipe, 160 lbs. steel reinforcement, etc.

Ga., La Fayette—Until May 19, by Bd. Comrs. Walker Co., building bridge over Lawrence Creek, near Rock Springs, consisting of two 25-ft. spans, 12-ft. roadway, pier and abutments; 45-ft. span bridge over Rock Creek, near Henkles, 12-ft. roadway and 2 abutments; 30-ft. span bridge over creek near here, 12-ft. roadway and 2 abutments; bridge over East Armuchee Creek, near Villanow, two 27-ft. spans, 12 ft. roadway, 1 pier and 2 abutments; 25-ft. span bridge over Dry Creek, near Rossville, 12-ft. roadway and 2 abutments. All rein.-con. J. L. Rowland, clk.

Ga., Monroe—Until June 6, by Comrs. Walton Co. (Monroe) and Oconee Co. (Watkinsville) building bridge with 4 steel spans, at Carithers Mill, 11 mi. from here. Work involves 49 cu.yd. Class B concrete in pier caps, 120 cu.yd. Class A concrete in floor and 16,100 lbs. reinforced steel in place. T. C. Aycock, Monroe, chn. Garrett & Slack, Bell Bldg., Montgomery, Ala., engrs.

Ala., Montgomery—Until June 9, by Rd. Revenue Montgomery Co., Building 1288 ft. rein. con. bridge, 16 ft. roadway, over Catoma Creek, on Norman Bridge Rd., 5 mi. south of here. W. S. Keller, Montgomery, state highway engr.; advertised in this issue.

Ill., Watseka—Until May 16, by Iroquois Co., building 60 ft. rein.-con. span bridge, 20 ft. roadway, Sect. J-15d, involving 227 cu.yd. concrete, 37,090 lbs. reinforcing steel, etc., cost $6415; also 100 ft. span, Sect. 1-15d, 20 ft. roadway, 123 cu.yd. Class "A" concrete, 40 cu.yd. Class X, 11,370 lb. reinforcing steel, 81,420 lb. structural steel, etc., $10,164. C. Older, state highway engr.

Ark., Harriaburg—Until May 27, by Bd. Comrs. Ozark Trail Rd. Impvt Dist. Poinsett Co., at Marked Tree, building four 50 ft. steel plate girder spans or steel truss spans, 18 ft. wide; two 50 ft. steel truss spans, 16 ft. wide; 400 lin.ft. concrete viaduct, 18 ft. wide; 112 lin.ft. I-beam spans, 16 ft. wide and 95 cu. yd. rein.-con culverts. W. H. Dilatush ,secy.; advertised in this issue.

Wash., Marysville—Until May 19, by State Highway Bd., Olympia, building one 50-ft., one 40-ft. and two 20-ft. rein.-con. arch bridges on Pacific Highway between here and Silvana, Snohomish Co. J. Allen, state highway comr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

Pa., Leetsdale—Comrs. Allegheny Co., (Pittsburgh), received bids building 110 ft. stone and concrete bridge, 50 ft. wide, with 37 ft. arch, over Sewickley Creek, between Allegheny and Beaver Counties, from E. W. Falck, Leetsdale, $48,106, A. Laidlaw, Bessemer Bldg., Pittsburgh, $48,910, Pitt Constr. Co., Fulton Bldg., Pittsburgh, $50,925. Noted May 1.

★**Ia., Independence**—Bd. Supervs. Buchanan Co. let contracts, to J. B. Elliott, Fairbank, building 23 concrete box culverts, 11 circular culverts, 1 concrete slab bridge and 1 concrete headwall, cost, $11,246, to F. E. Reinhold, Quasqueton, 22 concrete box culverts, 2 circular concrete culverts and 2 concrete slab bridges, $12,171. Work involves 1280 cu.yd. rein.-con. and 43 tons reinforcing steel.

★**Ia., Onawa**—Bd. Supervs. Monona Co. let contract building 11 concrete box culverts, 1 concrete slab bridge and 2 concrete headwalls, to J. P. Riddle, Creighton, Neb., $12,793. Work involves 537 cu.yd. rein.-con. and 18 tons reinforcing steel.

★**Ia., Sigourney**—Comrs. Keokuk Co. let contract building 37 concrete box culverts and 1 concrete circular culvert, to J. Ritzinger, Sigourney, $23,268. Work involves 29 tons reinforcing steel, 950 cu.yd. rein.-con. and 990 cu.yd. earth excav.

★**Ia., Waverly**—Bd. Supervs. Bremer Co. let contract building bridges in various townships, to C. H. and J. H. Russell, Waverly, $18,681. Noted Apr. 17.

★**Mo., Granby** — Comrs. Newton Co. (Neosha) let contract building 200 ft. rein.-con. bridge, 18 ft. wide, over Shoal Creek on Granby-Diamond Rd., 3 mi. north of here, to Joplin Concrete & Steel Constr. Co., Independent Bldg., $14,600.

Bridges (Continued)

Wash., Orting—Comrs. Pierce Co., Tacoma, received bids building 180 ft. Baltimore truss bridge, concrete piers and trestle approaches, near here, from A. McCullough, 3609 North Mullen St., Tacoma, $22,439; C. Huber, Central Blvd., Seattle, $24,750; D. Rutherford, Municipal Dock, Tacoma, $24,200.

★**Ore., Moro**—State Highway Comn., Portland, let contract building bridge over John Day River, consisting of two 126 ft. wooden truss spans, to Portland Bridge Co., Yeon Bldg., Portland. About $24,500. Noted Apr. 24.

Ore., Moro—State Highway Comn., Portland, received 3 lowest bids building 7 steel plate girder bridge over Deschutes River near Miller Sta., from A. Guthrie & Co., Sherlock Bldg., $74,938; Lindstrom & Feigensen, foot of Glisan St., $74,195; Portland Bridge Co., Yeon Bldg., $77,925. All contractors of Portland. Bids considered excessive, may be rejected and readvertised. Noted Apr. 24.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co., received bids building 60 ft. single span Howe truss timber bridge on pile foundation over San Gabriel River on Center St., from Ross Constr. Co., Forum Bldg., Sacramento, $22,962; W. Simpson Co., Marsh-Strong Bldg., $23,225; Merceneaun Bridge & Constr. Co., Pacific Electric Bldg., $23,814.

Structural Steel

PROPOSED WORK

Ia., Leon—See "Bridges."

Tex., Dallas—See "Streets and Roads."

BIDS DESIRED

Ga., Monroe—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Tex., Lockhart**—See "Streets and Roads."

★**Man., St. Boniface**—See "Miscellaneous."

Reinforced Concrete

PROPOSED WORK

Tex., Dallas—See "Streets and Roads."

Tex., Jasper—See "Streets and Roads."

Que., L'Assomption—See "Bridges."

Que., Yamachiche—See "Bridges."

BIDS DESIRED

Ala., Montgomery—See "Bridges."

Wis., Milwaukee—See "Sewers."

Minn., Albert Lea—See "Waterworks."

Wash., Marysville—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Independence**—See "Bridges."

★**Ia., Onawa**—See "Bridges."

★**Ia., Sigourney**—See "Bridges."

★**Ia., Spencer**—See "Streets and Roads."

★**Mo., Granby**—See "Bridges."

★**Cal., Calexico**—See "Industrial Works."

Streets and Roads

PROPOSED WORK

Conn., Darien—City plans to vote on $100,000 bonds to build new sidewalks and small bridge.

Conn., New Haven—City soon lets contract paving 7300 sq.yd. Putnam and York Sts., asphalt or National. F. L. Ford, city engr.

N. Y., Rochester—City soon receives bids paving Elmwood Ave., with concrete, 20 ft. wide; also relaying water mains and setting hydrants. About $47,700. A. Poole, city engr.

N. Y., Syracuse—See "Miscellaneous."

N. J., Morristown—Bd. Freeholders Morris Co. plans to improve main road between here and Whippany. About $25,000. Plans include widening road from 12-18 ft. and laying bituminous surface.

N. J., Newark—Bd. Freeholders Essex Co. soon receives bids paving 15,310 ft. Stuyvesant Ave., bituminous concrete on concrete base. About $204,350. F. Reimer, co. engr.

N. J., North Bergen—Town plans to improve Cortlandt St., bituminous pavement. About $10,000.

Pa., Brookville—Jefferson Co. election June 10 to vote on $500,000 bonds to improve highways.

Pa., Clearfield—Town voted $57,000 bonds to build improved roads, $30,000 for state roads and $27,000 for county aid roads. Owen & Plummer, Inc., Johnstown, engrs.

Pa., Harrisburg—City Council plan to pave Turner St. from Seneca to Schuylkill Sts., pave and curb Home St. from Berryhill to Kensington Sts., David St. from Park to Whitehall Sts., Helen St. from 19th to David Sts., Kunkel St. from 16th to 17th Sts. and open York St. from 17th to 18th St., sheet asphalt on concrete base, granite or granolithic curbing. R. R. Seaman, clk.

Pa., Kittanning—Armstrong Co. election soon to vote on $1,000,000 bonds to improve roads.

Pa., McKees Rocks—City election about May 21, to vote on $85,000 bonds to improve streets. Douglas & McKnight, Columbia Bank Bldg., Pittsburgh, engrs.

Pa., Pittsburgh—City plans to pave Andover Terrace from Bryn Mawr Rd. to Alpena St. About $44,000. N. S. Sprague, city engr.

Del., Wilmington—City receives bids about June paving 1 block 25th St., 5 blocks Delaware Ave., 1 block Grant Ave., 6 blocks Washington St., 1 block West St., 2 blocks 20th St., 1 block 19th St., 2 blocks McCabe Ave., 2½ blocks Van Buren St., 1 block Harrison St., 2 blocks 27th St., 2 blocks 20th St., 2 blocks Poplar St., 1 block 14th St., 1 block 23rd St., 1 block Hamilton St. and 1½ blocks Madison St. Work involves 70,000 sq.yd. asphalt on 5 in. concrete base. About $450,000. Noted Mar. 20.

W. Va., Buckhannon—Comrs. Upshur Co. having plans prepared building 5.2 mi. Buckhannon-Lorentz Rd., grading 26 ft. wide, surfacing 16 ft. wide. Work involves 20,000 cu.yd. excav., and 49,000 sq.yd. cement concrete surfacing. About $129,000. W. C. West, Buckhannon, engr.

W. Va., Fairmont—Comrs. Marion Co. plan to build 0.76 mi. Buffalo Pike, grading 24 ft. wide, surfacing 16 ft. wide. Work involves 7000 cu.yd. excav. and 7000 sq.yd. concrete surfacing. About $33,000. W. M. Linn, Fairmont, engr.

W. Va., Fayetteville—Fayette Co. plans election to vote on $379,000 bonds to improve roads in Kanawha Dist.

W. Va., Fayetteville—Fayette Co. plans election to vote on $125,000 bonds to improve roads in Mt. Cove Dist. J. K. McGrath, Fayetteville, engr.

W. Va., Harrisonville—Comrs. Ritchie Co. plan to grade and hard surface 5 mi. Pennsboro Rd. and ¾ mi. Ellenboro Rd., 16 ft. wide. About $112,040. A. Renshaw, Harrisonville, engr.

W. Va., Kingwood—Comrs. Preston Co. having plans prepared grading and hard surfacing 2.56 mi. Morgantown-Kingwood Pike, 10 ft. wide. About $30,000. H. E. Wilhelm, Kingwood, engr.

W. Va., Middlebourne—Comrs. Taylor Co. plan to pave 2 mi. Fettermon-Pruntytown Rd., 14 ft. wide, involving 18,000 sq.yd. vitr. brick on concrete base. About $45,000. J. A. Suisel, Grafton, engr.

W. Va., Middlebourne—Comrs. Tyler Co. soon receive bids grading and hard surfacing 1.5 mi. Middlebourne—Salem Rd., 16 ft. wide, probably bituminous macadam. About $41,000. P. P. Berkley, Middlebourne, engr.

W. Va., Parkersburg—Comrs. Wood Co. plan to build 2 mi. Clay Dist. Rd., 14 ft. wide, concrete. About $37,000. Woodyard & Alexander, Parkersburg, engrs.

W. Va., South Charleston—"See Sewers."

W. Va., Sparta—Comrs. Monroe Co. had plans prepared improving 2 mi. Union-Ronceverte Rd., grading 26 ft. wide, and surfacing with waterbound macadam of local stone, 16 ft. wide. About $18,000. J. W. Hancock, engr.

W. Va., Spencer—Comrs. Roane Co. having plans prepared grading and hard surfacing 3.75 mi. Spencer-Walton Rd., 16 ft. wide. About $94,000. H. R. Muldoon, Spencer, engr.

W. Va., Wayne—Comrs. Wayne Co. plan to grade and hard surface 2 mi. Wilson Creek-Elmwood Rd., 16 ft. wide. About $60,000. H. A. Levering, Wayne, engr.

W. Va., West Union—Comrs. Doddridge Co. plan to grade and hard surface 0.58 mi. Greenwood-West Union Rd., 14 ft. wide. About $25,000. J. R. Wilson, Clarksburg, engr.

W. Va., West Union—Comrs. Doddridge Co. receive bids about June 1, paving 3½ mi. Northwestern Pike, concrete, 16 ft. wide.

W. Va., Wheeling—Comrs. Ohio Co. receive bids about June 1, building 1 mi. National Rd., 18 ft. wide, concrete. About $36,000. W. O. McCluskey, Wheeling, engr.

Fla., South Jacksonville (Jacksonville P.O.)—Duval Co. soon receives bids paving 4.2 mi. on Kings Rd., Hendrix Ave., and other roads in South Jacksonville. About $16,000.

Miss., Brandon—Highway Comn. Pelahatchie Precinct Separate Rd. Dist., Rankin Co., soon lets contract improving 6 mi. Federal Aid Rd. No. 5, between Jackson and Meriden. Work involves 12 acres clearing and grubbing, 39,000 cu.yd. grading, 6900 cu.yd. gravel. X. A. Kramer, Magnolia, state highway engr.

Michigan—State Highway Comn., Lansing, soon lets contract grading, draining and surfacing 20 mi. highway, Muskegon and Oceana Counties, 16 ft. wide, gravel or stone.

Mich., Detroit—Dept. Pub. Wks. receives bids about May 20, paving with asphaltic concrete on 6 in. concrete base, Berea or Medina curbing, Harper Ave., Sect. 1 from Hurlburt to Montclair Aves., 40 ft. wide less 18 ft. track space, cost $28,660; Sect. 2 from Montclair to Connors Aves., 30 ft. wide, $34,860; Arizona Ave. from Woodward Ave. to John R. St., 24 ft. wide, $3863; Greeley Ave. from Westminster Ave. to Caniff Rd., 26 ft. wide, $27,518; Schroeder Ave. from Jefferson Ave. to South St., 26 ft. wide, $16,850; Platt St. from westerly end of street to Moran St., 26 ft. wide, $7675; Otsego Ave. from Joy Rd. to Graham Ave., 26 ft. wide, $13,733; Sylvan St. from McKinley to Vinewood Aves., 24 ft. wide, $5702; "T" alley between Beniteau Blvd., St. Jean, Kercheval and Waterloo Aves., 20 ft. wide with 1 course concrete, $5830. Noted Apr. 17.

Mich., Port Huron—St. Clair Co. Rd. Comn., receives bids about May 20, shaping, surfacing and draining 6.75 mi. State Rd. Assessment Dist. No. 22, 18 ft. wide. D. Belyea, co. engr.

Ill., Chicago—Bd. Local Impvts. withdrew advertisement for bids to be opened Apr. 21 for paving streets and alleys. Work will be readvertised. C. D. Hill, ch. engr. Noted Apr. 17.

Ill., Ottawa—La Salle Co. having plans prepared building 1.5 mi. state aid road, north of Marseilles, 15 ft. wide, cement concrete. About $30,000. M. M. Trumbull, co. supt. highways.

Ill., Waukegan—Lake Co. Rd. & Bridge Com. soon lets contract building Belvidere Rd. from Milwaukee Ave. to Volo, 16 and 18 ft. wide, concrete. About $300,000. Work will be let in 1, 2 or 3 sections. C. E. Russell, co. supt. highways.

Wis., Chilton—City having plans prepared by J. Donahue, engr., York Bldg., Sheboygan, paving, curbing and guttering 30,000 sq.yd. Main St., 20 ft. wide, concrete. About $50,000.

Wis., Neenah—City plans to pave 4 blocks, 30 ft wide, brick, asphalt or concrete. About $20,000. Work involves 7847 sq.yd. pavement and 5129 ft. curbing. H. Le Tourney, Neenah, engr.

Wis., Sheboygan—City having plans prepared by C. U. Boley, city engr., paving, curbing and guttering 15,000 sq.yd. Martin Ave. from 15th St. to city limits, 18 ft. wide, concrete. About $45,000.

Ia., Eldora—State Bd. Control, Des Moines, soon receives bids grading, subgrading and paving 1½ mi. road bordering Iowa State Industrial School for boys, 18 ft. wide, concrete or monolithic brick. About $35,000. A. M. McColl, chn.

Ia., Mason City—Bd. Supervs. Cerro Gordo Co. rejected bids received Apr. 21, paving with concrete 9646 ft. roads from here to Plymouth and Manly, 16-18 ft. wide. About $48,444. Work will soon be readvertised. Noted Apr. 17.

Minn., Duluth—City soon lets contract grading and paving with concrete, asphalt or Scoora block on concrete base, 7 blocks 26th Ave., E., grading 66 ft. wide, paving 20 ft. wide, with 5 ft. walk on either side. About $40,000. J. A. Farrell, comr.

Kan., Manhattan—City soon receives bids paving 1200 ft. North 17th St. from Leavenworth St. to Anderson Ave., 30 ft. wide, involving 4000 sq.yd. brick or 2 course concrete on concrete base. A. Rhodes, city engr.

N. D., Dickinson—City plans to pave 24 streets.

Streets and Roads (Continued)

N. D., Stanley—Mountrail Co. appropriated $186,000 bonds to build roads. State and Federal Government will be asked to appropriated like amount.

Mo., Glendale (St. Louis P. O.)—City soon receives bids paving and curbing 3000 ft. Beverly St. from Berry Rd. to Austin Pl., 30 ft. wide, concrete. About $10,000. L. J. Dziatzko, Empire Bldg., Webster Groves, engr.

Ark., Marshall—Searcy Co. plans to grade, drain and build three 150 ft. steel span bridges on 14 mi. road from Marshall to Snow Ball, Dist. No. 3, cost $50,000; 26 mi. road from St. Joe to Witts Springs, 16 ft. wide, Dist.No. 4, including 1 bridge over Buffalo River, cost $150,000; also grade and surface with macadam 47 mi. road, 15 ft. wide, Dist. No. 2, including 1 bridge over Buffalo River, $300,000. Winn Eng. Co., 207 Riegler Bldg., Little Rock, engrs.

Tex., Dallas—Comrs. Dallas Co. soon lets contract improving 9.125 mi. road known as Ft. Worth-Dallas Highway, 20 ft. wide. About $53,093 per mi. Work involves building rein.-con. bridges and culverts and waterways, 213,151 sq.yd. concrete, 77,677 cu.yd. unclassified grading, 153 ft. 30 in. and 314 ft. 24 in. rein.-con. pipe, 108 cu.yd. rein.-con. for culverts and 56,250 lbs. reinforcing steel for pavement. J. F. Witt, 813 4th Ave., engr.

Tex., Houston—Comrs. Harris Co. had plans prepared by Howe & Wise, engrs., 628 Chronicle Bldg., building 9.2 mi. Katy Rd., 12 ft. wide, gravel with shell binder. About $41,593. Work involves scarifying old roadway, hauling, placing, spreading and rolling gravel and shell binder. H. L. Washburn, co. aud.

Tex., Jasper—Comrs. Jasper Co. had plans prepared by G. R. Abney, engr., Jasper, improving 4.23 mi. road known as Highway No. 7 running from here to Angelina Co. line, 16 ft. wide. About $16,025. Work involves 200 cu.yd. concrete, building drainage structures, rein.-con. box culverts, clearing and grubbing 24 acres and 18,820 cu.yd. earth excav.

Tex., McKinney—Comrs. Collin Co. soon let contract building Sherman-Dallas Rd. About $40,000. J. B. Crockett, Wichita Falls, engr.

Arizona—State had plans prepared paving 6.38 mi. road between Tempe and Mesa, Maricopa Co. About $200,000. Work involves 83,500 sq.yd. paving and 826 lin.ft. culvert pipe. County will apply to Federal Government for appropriation for part of work. T. Maddock, Phoenix, state engr. Noted May 1.

Ariz., Tombstone—Bd Supervs. Cochise Co. plans election to vote on $1,000,000 bonds to build highways. Plans include 68 mi. road from Douglas to Wilcox via West Wells, Pearse and Cochise, cost $475,000; 6 mi. from Benson north to county line, $30,000; 20 mi. from Benson north, $150,000; 28 mi. from junction of Hereford-Naco Rd. to Forest Reserve, via Ramsey Canyon, $450,000; 19 mi. from Forrest Ranch to Gleeson and surfacing 8 mi. Double Adobe Rd., $140,000; 19 mi. from West Wells to Chiricahua Mts., $50,000; 10 mi. road from point on Borderland route near Arizona-New Mexico line to Hill Top Rd., $60,000.

Wash., Goldendale—Comrs. Klickitat Co. soon let contract grading, draining and hard surfacing ¾ mi. Goldendale-Maryhill Rd.

Wash., Montesano—Grays Harbor Co. voted $400,000 bonds to be added to state and Federal funds to build various roads. Noted Mar. 27.

Wash., South Bend—Comrs. Pacific Co. soon let contract paving section Natl. Park Highway, known as Ocean Beach Highway; grading and improving 2.5 mi. state road No. 20; Highway 3-D, rock base with rock top; 8 mi. road from Chehalis to South Bend, concrete.

Wash., Wenatchee—Comrs. Chelan Co. soon let contract paving Columbia River bridge, 2½ in. concrete, cost to be borne equally by Chelan and Douglas Counties and Wenatchee Recl. Dist.; also paving Wenatchee River bridge, 2½ in. asphalt.

Oregon—State Highway Comn., Portland, soon lets contract paving 6.5 mi. Old Oregon Trail, Union Co., Island City-La Grande-Hot Lake Sect.; 5.5 mi. Pacific Highway, Lane Co., Eugene-Goshen Sect., involving 10,000 cu.yd. excav.; 14.8 mi. Pacific Highway, Jackson Co., Green Springs Mountain Rd. to California line, 11,000 cu.yd. excav.; 7.6 mi. Sexton Mountain Sect., Josephine Co., 118,000 cu.yd. excav.; 4.3 mi. West Side Highway, Hillsboro-Forest Grove Sect., Washington Co.; grading 6.8 mi. Pacific Highway, Oregon City to Oswego, Clackmas Co., 40,000 cu.yd. excav.; 12.3 mi. Columbia River Highway, Arlington-Morrow Co. line section, Gilliam Co., 88,000 cu. yd. excav.; grading and macadamizing 12.2 mi. Pacific Highway, Gold Hill to Josephine Co. line, Jackson Co., 24,000 cu.yd. excav.; Comstock-Pass Creek Sect., 5000 cu.yd. excav., 2000 cu.yd. rock surfacing, Douglas Co.; Monroe to Lane Co. line, 18,000 cu.yd. excav., 6750 cu.yd. rock surfacing, Benton Co.; 1.2 mi. Oakland south Sect., 2500 cu. yd. rock surfacing, 14,000 cu. yd. excav., Douglas Co.; 3.25 mi. Loraine-Drain Sect., Douglas Co., 6800 cu.yd. rock surfacing, 19,000 cu.yd. excav.; 2 mi. Roseburg-Winchester Sect., 9000 cu.yd. excav., 400 cu.yd. rock surfacing; 5.85 mi. Ashland-Green Spring Rd., 24,500 cu.yd. excav., Jackson Co.; 6.7 mi. Roseburg-Dillard Sect., Douglas Co., 51,000 cu.yd. excav. 7500 cu.yd. rock surfacing; Jacques Pl. to Johns Pl., Douglas Co., 28,000 cu.yd. excav., 11,200 cu.yd. rock surfacing.

Ore., Heppner—Morrow Co. plans election in June to vote on $290,000 bonds to build 31 mi. Oregon-Washington highway between Gilliam Co. line and here; 31 mi. from here to Umatilla Co. line; Heppner-Ritter Rd. from here to Grant Co. line; Butter Creek Rd. between Lena and Jarmans Corner; Eight Mile Rd.; Ione-Gooseberry Rd. and road from here to Grant Co. line via Parkers Mill and Hardman.

Ore., Portland—City having plans prepared improving Haight Ave. from north line Skidmore St. to south line Alberta St.; Elliott Ave. from north line Division St. to south line Hawthorne Ave.; Jarrett St. from Union Ave. to East 9th St.; Prescott St. from west line Concord St. to west line of block 6, Multnomah; East 8th St. from Ainsworth Ave. to Jarrett St. G. R. Funk, city aud.

Ore., Portland—City soon lets contract excavating old concrete and replacing with 1 in. binder and 2 in. top, asphaltic concrete No. 1 or 2 or sheet asphalt on East Harrison, Locust and Cypress Sts., unnamed street southeast from East Park to center line East Harrison St.; redress with asphaltic concrete No. 1 or 2 Morris St. from center line Chapman St. to center line Stout St.; artificial stone or asphalt sidewalks on not less than 3 in. foundation, East 17th St. from south line of Insley Ave. to south line of Holgate St.; concrete or asphalt pavement No. 1 or 2 on crushed rock or bituminous base, Concord St. from Skidmore to Prescott Sts.; paving central roadway, 18 ft. asphaltic concrete No. 1 or 2 on crushed rock or bituminous base, on Francis Ave. from east line Kenilworth addition to 42nd St., S. E.; East 39th St. from Francis Ave. to Powell Valley Rd.; East 29th St. from Belmont to East Stark Sts. G. R. Funk, city aud.

Cal., San Diego—Bd. Supervs. San Diego Co. plans election to vote on $2,000,000 bonds to grade and pave county highways. J. B. McLees, co. clk.

Cal., San Diego—City receives bids about June paving with concrete, grading and building cement curbs, culverts, etc. on 3½ mi. Morena Blvd. between Old Town and Pacific Beach. About $60,000. G. Crowell, city engr.

Que., Lachine—Town plans to spend $25,000 to pave streets.

Ont., St. Thomas—M. Ferguson, engr., St. Thomas, receives bids about May 15, building 5500 ft. roads, 22 ft. wide, for city. Work involves 13,000 sq.yd. waterbound macadam, 11,000 lin.ft. concrete curbing and guttering. About $55,000.

BIDS DESIRED

Massachusetts—Until May 13, by State Highway Comn., 212 State House, Boston, resurfacing and draining 5200 ft. State Highway, Wenham Twp., 18-24 ft. wide, bituminous macadam. A. W. Dean, state highway engr.

Mass., Boston—Until May 13, by Park Comn., building playground, drains, walks, drives, etc., at Franklin Park. About $12,000. C. E. Putnam, 33 Beacon St., engr.

Mass., Brockton—Until May 20, by city, laying bituminous concrete surfacing or other mixed bituminous surfacing or pavement on North Main, Howard and Copeland Sts. H. S. Crocker, city engr.; advertised in this issue.

Rhode Island—Until May 16, by State Bd. Pub. Rds., State House, Providence, building 9297 ft. East Main Rd., Portsmouth Twp., 10,560 ft. Hartford Pike, Johnston and Scituate Twps., both bituminous macadam; 8180 ft. Waterman Ave., East Providence Twp. and 3550 ft. Mendon Rd., Lincoln Twp., both cement concrete; advertised in this issue

N. Y., New York—Until June 3, by L. Nixon, supt. pub. wks., Capitol, Albany, paving barge canal terminals, Pier 6, East River, Contr. 52-P.; advertised in this issue.

N. J., Jersey City—Until May 13, by city, repaving Hutton Ave. between Liberty Ave. and Hudson Blvd., bituminous concrete. C. A. Van Keuren, city engr. Noted Apr. 3.

N. J., Nutley (Newark P. O.)—Until May 20 by town, paving Park Ave. from Passaic to Washington Aves. Work involves 7800 sq.yd. concrete 8 in. thick in center and 6 in. at sides, 1600 lin.ft. bluestone curb reset in concrete and 3500 lin.ft. integral concrete curb. E. N. Smith, town engr.; advertised in this issue.

N. J., Plainfield—Until May 19, by City Council, paving certain streets with rein.-con. and others with vitr. brick on concrete base. Work involves 14,700 sq.yd. vitr. brick, 2300 cu.yd. cement concrete and 9400 lin.ft. concrete abutments in place of curbs. J. Gavett, city engr.; advertised in this issue.

Pennsylvania—Until May 26, by State Highway Comn., Harrisburg, building roads in counties as follows:

Blair Co., 13,623 ft. bituminous or rein.-con. surface course on concrete foundation.

Butler Co., 32,229 ft. bituminous or rein.-con. surface course on concrete foundation.

Cameron Co., 11,065 ft. bituminous or rein.-con. surface course on concrete foundation.

Clarion Co., 26,648 ft. rein.-con. and Hillside vitr. brick.

Clinton Co., 4984 ft. rein.-con.

Crawford Co., 16,552 ft. bituminous or rein.-con. surface course on concrete foundation.

Dauphin Co., 33,917 ft. bituminous concrete Hillside vitr. brick or rein.-con. and Hillside vitr. brick surface course on concrete foundation.

McKean Co., 53,472 ft. rein.-con.

Mercer Co., 17,891 ft. bituminous or rein.-con. surface course on concrete foundation

Somerset Co., 10,554 ft. rein.-con. and Hillside vitr. brick.

Union Co., 13,464 ft. bituminous or rein.-con. surface course on concrete foundation.

Venango Co., 9550 ft. rein.-con.

Warren Co., 7783 ft. rein.-con. and Hillside vitr. brick.

Wayne Co., 27,688 ft. bituminous or rein.-con. surface course on concrete foundation.

Westmoreland Co., 2085 ft. rein.-con. L. S. Sadler, state highway comr.; advertised in this issue.

Pa., Barnesboro—Until May 21, by Boro. Council, c/o Cambria Co. Controller, Ebensburg, building 3300 ft. road with vitr. fire clay or shale paving brick on combination concrete base and curb. C. E. Schlichter, Spangler, engr. I. H. Williams Barnesboro, secy.

Pa., Ebensburg—Until May 9, by Supervs. East Taylor Twp., c/o Cambria Co. Controller, rebuilding 1 mi. and 600 ft. road from Wesley Chapel to West Point, 16-ft. roadway, vitr. brick on concrete base. Separate bids for 386,000 No. 1 repressed vitr. brick. O. P. Thomas, Leader Bldg., Johnstown, engr.

Pa., Ebensburg—Until May 9, by Supervs. Adams Twp., c/o Cambria Co. Controller, rebuilding 3 mi. road, on Elton-Selix-Lovett-St. Michael Rd., 16-ft. roadway, vitr. brick block on concrete base and curb. Separate bids for 1,035,000 No. 1 repressed vitr. paving block. O. P. Thomas, Leader Bldg., Johnstown, engr.

Pa., Ebensburg—Until May 9, by Supervs. Middle Taylor Twp., c/o Cambria Co., Controller, rebuilding 2 mi. and 2300 ft. road from Minersville to Brelini's Corner, 16-ft. roadway, vitr. brick on concrete base and curb. Separate bids for 842,000 No. 1 vitr. repressed block. O. P. Thomas, Leader Bldg., Johnstown, engr.

Pa., Ebensburg—Until May 9, by Supervs. Patton Borp, c/o Cambria Co. Controller, rebuilding 2829 ft. vitr. brick block road, 20 ft. wide, concrete base and curb. Separate bids for 238,000 vitr. block. O. P. Thomas, Leader Bldg., Johnstown, engr.

Pa., Gallitzin—Until May 12, by Supervs. Gallitzin Twp., c/o Controller Cambria Co., (Ebensburg), rebuilding 1.05 mi. road leading from Cupon to State Highway Route No. 221, vitr. fire clay or shale paving brick. Owen & Plummer, Otto Bldg., Johnstown, engrs.

Pa., Newport—Until May 16, by T. W. Turner, secy. bd. comrs, Newport Twp., 87 Robert St. Alden, improving streets in village of Sheatown, Alden, Wanamie, Glen Lyon, and building concrete retaining wall, in village of Alden, and concrete pier in village of Glen Lyon. W. S. Norton, Alden Sta., twp. engr.

Streets and Roads (Continued)

Pa., Pittsburgh—Until May 22, by Comrs. Allegheny Co., Room 303, Court House, grading, paving and curbing 2050 ft. Maine St., Baldwin Twp., from Library Improved Rd. to Carrick Boro. line, 24 ft. roadway. Work involves 5470 sq.yd. vitr. brick on 6 in. concrete base and 4100 lin.ft. concrete curbing.

W. Va., Elkins—Until June 2, by Comrs. Randolph Co. building 19 mi. roads and streets in Leadville Dist.; advertised in this issue.

W. Va., Grafton—Until May 19, by Comrs. Taylor Co., completing 2 mi. Fettermon Pruntytown Rd., 16 ft. wide, vitr. brick on concrete base. About $50,000. J. A. Sincell, Grafton, engr.

N. C., Albemarle—Until May 20, by Comrs. Stanly Co. building Salisbury-Albemarle-Wadesboro Highway. Work involves 70,000 cu.yd. rock excav., 27,000 cu.yd. top soil surfacing, 6 acres clearing and grubbing, etc. J. M. Boyett, clk.

Ga., Griffin—Until June 3, by E. P. Bridges, city mgr., grading, curbing, draining and paving certain streets with vitr. brick, concrete, bituminous concrete, patented or other pavement. Work involves 10,000 cu.yd. earth excav., setting 34,500 lin.ft. granite curb and building 6500 lin.ft. concrete curb, laying storm drains, furnishing and laying 47,500 sq.yd. pavement and all necessary work incident thereto. G. M. Harrington, city engr.; advertised in this issue.

Ky., Madisonville—Until May 13, by Comrs. Hopkins Co., improving 1½ mi. Madisonville-Princeton Rd., State Aid No. 54 E 2, involving 6000 cu.yd. earth and 50 cu.yd. rock excav., 40 cu.yd. concrete, 1 acre grubbing and 3950 cu.yd. crushed stone for waterbound macadam surfacing; 1½ mi. Madisonville-Greenville Rd., earth and State Aid No. 54 B 2, involving 3950 cu.yd. crushed stone for waterbound macadam surfacing. R. C. Griffin, co. engr., advertised in this issue.

O., Cleveland—City receiving bids paving Hamlen Ave. from East Blvd. to East 121st St., involving 1750 cu.yd. excav., 32,120 sq.ft. 4-in. brick on 6-in. concrete base and 2470 ft. 5-in. stone curbing; Cobb Court from East 93rd St. to east end, 4010 sq.ft. 5-in. brick paving and 431 ft. 5-in. stone curbing; Champion Ave. from West 101st Pl. to West Blvd., 1140 cu.yd. excav., 20,450 sq.ft. 4-in. brick on 6-in. concrete base and 1550 ft. 5-in. stone curbing; East 125th St. from Kinsman Rd. to Union Ave., 1240 cu.yd. excav., 26,250 sq.ft. 4-in. brick on 6-in. concrete base and 1990 ft. 5-in. stone curbing; West 24th St. from Franklin Ave. to Willeyville Allt., 850 cu.yd. excav., 15,585 sq.ft. 5-in. brick on 6-in. concrete base and 1215 ft. 5-in. stone curbing; West 24th St from Moore Court to Willeyville Allt., 1340 cu.yd. excav., 25,190 sq.ft. 5-in. brick on 6-in. concrete base and 1500 ft. 5-in. stone curbing; West 58th St. from Bridge to Detroit Aves., 1000 cu.yd. excav., 48,580 sq.ft. 5-in. brick on 6-in. concrete base and 3100 ft. 5-in. stone curbing; West 98th St. from Loretta Ave. to Walford Rd., 1870 cu.yd. excav., 32,290 sq.ft. 4-in. brick on 6-in. concrete base and 2190 ft. 5-in. stone curbing; East 121st St. from Kinsman Rd. to point 1046 ft. north of Luke Rd., 2075 cu.yd. excav., 43,460 sq.ft. 4-in. brick on 6-in. concrete base and 3500 ft. 5-in. stone curbing; East 114th St. from Harvard to Miles Aves., 2070 cu.yd. excav., 24,590 sq.ft. 4-in. brick on 6-in. concrete base and 1950 ft. 5-in. stone curbing; Vulcan Court from West 93rd to 95th Sts., 235 cu.yd. excav. and 4340 sq.ft. 5-in. brick paving; Trent Ave. from Fulton Rd. to West 41st St., 1600 cu.yd. excav., 39,200 sq.ft. 5-in. brick on 6-in. concrete base and 2950 ft. 5-in. stone curbing; Marah Ave. from East 93rd to 102nd Sts., 2180 cu.yd. excav., 39,755 sq.ft. 4-in. brick on 6-in. concrete base and 3635 ft. 5-in. stone curbing; Kraus Ave. from East 20th to 26th Sts., 1650 cu.yd. excav. and 21,720 sq.ft. 5-in. brick paving; Ignatius Ave. from West Blvd. to West 105th St., 1950 cu.yd. excav., 27,830 sq.ft. 4-in. brick on 6 in. concrete base and 2040 ft. 5-in. stone curbing; Glenview Ave. from East 108th to East 110th Sts., 405 cu.yd. excav., 12,050 sq.ft. brick paving and 900 ft. 5-in. stone curbing. R. Hoffman, city engr.

O., Columbus—Until May 20, by G. A. Borden, pub. serv. dir., grading, draining, curbing, laying water mains and paving 783 ft. Stanley St. from Parsons Ave. to eastern terminus, 26 ft. wide, involving 2250 brick block or 1850 sq.yd. asphalt, cost $9892 and $8242 respectively; 913 ft. Leonard Ave. from Bryden Rd. to Main St., 24 ft. wide, brick or asphalt, $7597; 1269 ft. 21st St. from Broad St. to Franklin Ave., 14 ft. wide, brick or asphalt, $10,060; 1023 ft. Noble St. from Washington St. to Parsons Ave., 17 ft. wide, brick, $9495. H. Maetzel, city engr.

Michigan—Until May 29, by State Highway Comn. Lansing, draining, grading and paving 2¼ mi. highway, 18 ft. wide, Washtenaw Co., asphaltic concrete and cement concrete.

Michigan—Until June 1, by State Highway Dept., Lansing, grading, paving and draining 7 mi. highway, Cass Co., 16 ft. wide, cement concrete.

Illinois—Until May 21, by State Highway Comn., Springfield, improving Springfield-Peoria and Peoria-Henry Highways in following counties:

(a) Sangamon Co., 9389 ft. Sect. A, Springfield-Peoria, 18 ft. wide, involving 18,779 sq.yd. pavement, 8864 cu.yd. excav., 75 cu.yd. concrete in culverts and bridges; 15,477 ft. Sect. "O-15d," 18 ft. wide, 30,995 sq.yd. pavement, 13,817 cu.yd. excav., 249 cu.yd. concrete; 2197 ft. Sect. "N," 18 ft. wide, 4394 sq.yd. pavement, 3759 cu.yd. excav., 10 cu.yd. concrete;

(b) Sangamon-Menard Co., 36,508 ft. Sect. "B" Springfield-Peoria, 16-18 ft. wide, 67,003 sq.yd. pavement, 42,194 cu.yd. excav., 421 cu.yd. concrete;

(c) Menard Co., 20,549 ft. Sect. "C," Springfield-Peoria, 16 ft. wide, 36,531 sq.yd. pavement, 22,629 cu.yd. excav., 297 cu.yd. concrete; 28,649 ft. Sect. "D," 16 ft. wide, 51,020 sq.yd. pavement, 27,752 cu.yd. excav., 256 cu.yd. concrete; 4446 ft. Sect. "O," 16 ft. wide, 7846 sq.yd. pavement, 3209 cu.yd. excav., 85 cu.yd. concrete; 7027 ft. Sect. "F-15d," 16 ft. wide, 12,435 sq.yd. pavement, 2772 cu.yd. excav., 90 cu.yd. concrete;

(d) Menard-Mason Co., 14,326 ft. Sect. "E," 16 ft. wide, 26,275 sq.yd. pavement, 45,000 cu.yd. excav., 337 cu.yd. concrete;

(e) Mason Co., 23,403 ft. Sect. "F," Springfield-Peoria, 16 ft. wide, 41,964 sq.yd. pavement, 21,967 cu.yd. excav., 232 cu.yd. concrete; 4678 ft. Sect. "M," 16 ft. wide, 8316 sq.yd. pavement, 5047 cu.yd. excav.; 23,716 ft. Sect. "G," 16 ft. wide, 42,327 sq.yd. pavement, 25,904 cu.yd. excav., 160 cu.yd. concrete; 2900 ft. Sect. "P," 16 ft. wide, 5311 sq.yd. pavement, 2748 cu.yd. excav., 53 cu.yd. concrete; 8700 ft. Sect. "C-15d," 16 ft. wide, 15,410 sq.yd. pavement, 4657 cu.yd. excav., 66 cu.yd. concrete;

(f) Mason-Tazewell Co., 26,920 ft. Sect. "H," Springfield-Peoria, 16 ft. wide, 47,644 sq.yd. pavement, 14,384 cu.yd. excav., 321 cu.yd. concrete;

(g) Tazewell Co., 26,147 ft. Sect. "I," Springfield-Peoria, 16 ft. wide, 46,302 sq.yd. pavement, 16,239 cu.yd. excav., 293 cu.yd. concrete; 20,522 ft. Sect. "J," 16 ft. wide, 36,500 sq.yd. pavement; 27,086 ft. Sect. "L-15d," 16 ft. wide, 42,475 sq.yd. pavement, 29,445 cu.yd. excav., 244 cu.yd. concrete; 7200 ft. Sect. "O," 16 ft. wide, 12,800 sq.yd. pavement, 6964 cu.yd. excav., 24 cu.yd. concrete;

(h) Peoria Co., 18,216 ft. Sect "B," Peoria-Henry, 16 ft. wide, 32,384 sq.yd. pavement, 17,033 cu.yd. excav., 230 cu.yd. concrete; 17,038 ft. Sect. "C," 16 ft. wide, 30,290 sq.yd. pavement, 8382 cu.yd. excav., 322 cu.yd. concrete; 24,087 ft. Sect. "M," 16 ft. wide, 43,220 sq.yd. pavement, 18,690 cu.yd. excav., 199 cu.yd. concrete;

(i) Peoria-Marshall Co., 21,185 ft. Sect. "D," Peoria-Henry, 26 ft. wide, 38,082 cu.yd. excav., 721 cu.yd. concrete;

(j) Marshall Co., 8457 ft. Sect. "G-15d," Peoria-Henry, 26 ft. wide, 16,192 cu.yd. excav., 258 cu.yd. concrete; 20,607 ft. Sect. "E," 26 ft. wide, 36,905 cu.yd. excav., 938 cu.yd. concrete. Alternative bids will be received for Portland cement concrete, monolithic brick 3 in. and 4 in., bituminous concrete (Spec. C1, C2, C3 or CT) with or without binder course. C. Older, ch. highway engr.

Ill., Chicago—Until May 12, by Cook Co., building roads (a) with bituminous concrete; (b) Portland cement concrete, 10 mi., Sect. 50-15d and 51-15d, Wheeling and Leyden Twps., 18 ft. roadway, 6 ft. earth shoulders, cost (a)$327,321; (b) $267,290; 2687 lin.ft. in Norwood Park Twp., extending east from Narragansett Ave. and Irving Park Blvd., 11 ft. roadway, 6 ft. earth shoulders. (b) $13,168; 21,304 lin.ft. in Northfield, Wheeling and Main Twps., extending south from Desplaines River Rd. and Milwaukee Ave., 18 ft. roadway, 6 ft. earth shoulders, (a) $139,266; (b) $112,015; 27,960 lin.ft. in Main and Leyden Twps. extending south from Desplaines River Rd. at south limits of Desplaines Village, 18 ft. roadway, 6 ft. earth shoulders, (a) $188,054; (b) $155,275. B. D. Barker, co. supt. highways. Noted Apr. 17.

Minn., Buffalo—Until May 13, by Comrs. Wright Co., grading and gravelling Sect. 5-121-26, State Rd. No. 2, Job No. 5, Silver Creek Twp.; north line Sects. 20 and 21-120-24 State Rd. No. 5, Job No. 4, Frankfort Twp.; north line Sects. 31, 32 and 33-119-28, State Rd. No. 6, Job No. 7, Cokato Twp.

Minn., Duluth—Until May 12, by J. A. Farrell, city comr., paving with asphalt, bitulithic or creosote blocks, 8000 ft. 1st St. from 6th Ave., E. to 23rd Ave., E., 34 ft. wide, concrete base. Cost between $98,000 and $114,000.

Minn., Henderson—Until May 27, by F. Hoppenstedt, aud. Sibley Co., grading and graveling 2.8 mi. State Rd. No. 2, 20 ft. wide, Severause Twp. S. F. Millen, Gaylord, engr.

Minn., Mahnomen—Until May 27, by Comrs. Mahnomen Co., building 4 mi. Federal Aid Project No. 102, State Rd. No. 3, 20 ft. wide, involving loading and hauling 4800 cu.yd. gravel surfacing material, etc. About $20,000. H. R. Chapin, Mahnomen, engr.

Minn., Preston—Until May 21, by J. Dunford, aud. Fillmore Co. building 8 mi. Federal Aid Project No. 39, State Rd. No. 1 About $50,000. W. Dunbar, Preston, engr. Noted May 1.

Minn., Willmar—Until May 28, by Comrs. Kankiyohi Co., paving 9.5 mi. Federal Aid Project No. 31, State Rd. No. 6, 20 ft. wide, involving 95,040 sq.yd. paving. About $225,000. L. H. Wadell, Willmar, engr.

Neb., Clay Center—Until May 22, by H. A. Swanson, clk., paving and laying storm sewers in main streets of business section, involving 22,880 sq.yd. rein.-con., asphalt or vertical fibre brick on 5 in. concrete base, 2775 lin.ft. concrete curbing, 8120 lin. ft. concrete guttering, and 5892 lin.ft. 8-24 in. tile pipe sewer. Grand & Fulton, Bankers Life Bldg., Lincoln, engrs. About $105,000.

Neb., Lincoln—Until May 17, by City, paving 21st St. from O to C Sts., and Greenway Ave. from 30th to 31st Sts., involving 11,390 sq.yd. asphaltic concrete on 5 in. concrete base, 660 sq.yd. concrete, 560 lin. ft. concrete curb and 8120 lin.ft. curb and gutter. About $34,900. A. Dobson, engr.

Wyo., Thermopolis—Until May 19, by A. J. Lowry, town clk., paving and building storm sewers in Paving Dist. No. 1. Work involves 7600 lin.ft. concrete curb, 26,000 sq.yd. pavement, 5000 lin.ft. storm sewers and laterals. Bids will be received on sheet asphalt, asphaltic concrete, bitulithic, rein.-con. and brick; advertised in this issue.

Mo., St. Louis—Until May 27, by Bd. Pub. Serv., building granitoid sidewalk pavements, 5 ft. wide, on both sides of Marquette Ave. from Ivanhoe to McCausland Aves.; Jamieson Ave. from Scanlan to Marquette Aves.; Ivanhoe Ave. from Scanlan to Marquette Aves.; McCausland Ave. from Marquette to Fyler Aves.; Arthur Ave. from Ivanhoe to McCausland Aves.; Bradley Ave. from Ivanhoe to Frisco Aves.; Fyler Ave. from Ivanhoe to McCausland Aves.; Hancock Ave. from Ivanhoe to McCausland Aves.; Penrose St. from Glasgow Ave. to Grove St.; Louisana Ave. from Neosho to Osceola Sts.; 4 ft. sdewalk pavement on Arsenal St., formerly known as Rosalie St., from Ellendale Ave. to city limits. W. W. Horner, city engr.

Ark., Harrisburg—Until May 27, by Bd. Comrs. Ozark Trail Rd. Impvt. Dist., Poinsett Co., at Marked Tree, building 16 mi. earth road embankment. Work involves 227,200 cu.yd. excav., 21 acres clearing, 36 acres clearing and grubbing, etc. W. H. Dilatush, secy.; advertised in this issue.

Tex., Comanche—Comrs. Comanche Co. receiving bids building section Ft. Worth-Alpine Highway. About $184,132. W. E. Dickerson, Comanche, engr.

Washington—Until May 19, by State Highway Bd., Olympia, clearing, grading, draining and surfacing 5.3 mi. Sunset Highway, near Baird, involving 9600 cu. yd. crushed rock, 17,505 cu.yd. earth and 1330 cu.yd. rock excav.; 6.1 mi. Sunset Highway from Waterville east, and 7.7 mi. Sunset Highway, from Douglas to Farmer, all in Douglas Co.; 7.1 mi. Central Washington Highway, Spokane and Lincoln Counties; 6.8 mi. Pacific Highway from Kelso north, Cowlitz Co. J. Allen, state highway comr. Noted Apr. 3.

Ore., North Bend—Until May 13, by city, improving Sherman St., 6, 8 and 14 ft. wide with center parking; side streets, 24 ft.; highway, 10 ft.; 1 and 2 course concrete, on concrete base, cost $51,803 and $52,440 respectively; bitulithic or asphalt, $58,311. Noted Mar. 6.

California—Until May 19, by State Highway Comn., 515 Forum Bldg., Sacramento, grading 11 mi. road between Adin Summit and Canby, 24 ft. wide, involving 48,000 cu.yd. excav., etc., Modoc Co.; 11 mi. between White Bar Creek and Helena, 24 ft. wide, 140,000 cu.yd. excav., Trinity Co.; 3 mi. between Glenwood and Sand Hill School; 6000 cu.yd. excav., Santa Cruz Co. A. B. Fletcher, highway engr.

Streets and Roads (Continued)

Ont., Brampton—Until May 19, by W. M. Treadgold, town engr., building about 14,000 sq.yd. rein. con. pavement, curb and underdraining, 28 ft. wide.

Ont., Mimico—Until May 17, by J. A. Telfer, clk., paving 6000 ft. Church St. and Mimico Ave., 28-34 ft. wide. Work involves 20,000 sq.yd. asphaltic concrete, bitulithic, bituminous or concrete on 5 in. concrete base, and 12,000 lin.ft. concrete curbing and guttering. James, Loudon & Hertzberg, 36 Toronto St., Toronto, consult. engrs.

Ont., Paris—Until May 12, by city, building Waterford, St. George and Burford Rds., concrete and tar macadam. About $121,604.

Ont., St. Catharines—Until May 14, by city, building 45,000 sq.yd. pavement and 25,000 lin. ft. concrete curbs and gutters. About $180,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Massachusetts**—State Highway Comn., Boston, let contract resurfacing and patching 6140 ft. of State Highway, Dennis Twp., 15-18 ft. wide, to J. W. Nickerson, Dennis, $1.04 per running foot.

★**Mass., Boston**—City let contracts building concrete sidewalks on Pearl St. et al, Dorchester, involving 984 sq.yd. granite block, 1390 sq.ft. concrete driveway, 5579 lin.ft. stone curbing and 31,380 sq.ft. concrete sidewalk, to F. Drinkwater, 35 Hemlock St., Roxbury, $11,179; East 1st St., South Boston, involving 5500 sq.yd. granite block, 2227 lin.ft. stone curbing, 2220 sq.yd. brick sidewalk, to G. Farello, 12 Pearl St., $9950; East 4th St., involving 7820 sq.yd. wood block on 6 in. concrete base, 41,740 sq.ft. concrete sidewalk, to J. E. Quinn, 28 Dorchester St., Roxbury, $57,486.

★**Mass., Boston**—City let contract building walks, drives and filling for Ripley Playground to J. Meltzer Co., Boston, $10,321. Work involves 2400 sq.yd. concrete, 2300 cu.yd. earth excav., etc.

★**Mass., Fall River**—City let contract building granolithic sidewalk for 1 year, to Beattie & Cornell, 30 North Quarry St., $2.45 per cu.yd. Noted Apr. 24.

R. I., Scituate (North Scituate P. O.)—See "Miscellaneous."

★**Connecticut**—C. J. Bennett, comr. state highway, Capitol, Hartford, let contracts building 5200 lin.ft. Killingworth Rd., trap rock macadam, Haddam Twp., to F. Arrigoni & Bro., 605 Main St., Middletown, $21,065; 3270 lin.ft. Deming St., Manchester Twp., to A. E. Douglas, 305 Main St., Glastonbury, $8352; 4283 lin.ft. Westfield Rd., both bituminous macadam, Meriden Twp., to Immich Co., State St., Meriden, $17,976; 3650 lin.ft. Black-Hall-Niantic Rd., 8 in. gravel, Old Lyme Twp., to J. Arborio, 36 Ward St., New Haven, $5187; 34,518 lin. ft. Sharon-Lakeville Highway, gravel telford, Salisbury and Sharon Twps., to L. Suzio Constr. Co., 98 State St., Meriden, $130,049. Noted Apr. 17.

Connecticut—C. J. Bennett, comr. state highway, Capitol, Hartford, received lowest 3 bids Apr. 25, building 6979 lin.ft. Stanley Quarter Rd., New Britain, Newington and Farmington Twps., (a) concrete; (b) Amiesite; (c) Topeka; (d) Asphalt; (e) Bitoslag; (f) Warrenite; from J. P. Maguire, 5 Fairview St., New Britain, (a) $31,921; Connecticut Hassam Paving Co., 902 Chapel St., New Haven, (a) $37,687; Acme Eng. Co., 868 Main St., Hartford, (a) $37,858; Connecticut & Rhode Island Co., Hall & Lewis Bldg., Meriden, (b) $39,641; E. Balf Co., 26 State St., Hartford, (c) $41,455; (d) $44,945; Connecticut Constr. Corp., 35 Colony St., Meriden, (c) $42,851; (e) $44,526; Warren Bros. Co., 142 Berkeley St., Boston, Mass., (f) $48,016; 7258 lin.ft. Thomaston Ave., Thomaston and Waterbury Twps., from J. De Michiel & Bro., 58 High St., Torrington, (a) $40,069; L. Suzio Constr. Co., 98 State St., Meriden, (a) $42,670; L. Lomghi & Bro., Inc., 43 Center St., Torrington, (a) $43,699; Warren Bros., 142 Berkeley St., Boston, Mass., (c) $47,514; E. Tracy, 200 Olivia St., Derby, (c) $54,254; (e) $54,738. Noted Apr. 17.

★**Conn., Hartford**—Bd. Contr. & Supply let contracts, resurfacing, repairing and paving Jewell, Wells and Morgan Sts., to E. Balf Co., 26 State St., $51,310; Morgan St., to O'Neil Bros., Hartford, $11,151. Noted Apr. 10.

★**Conn., Waterbury**—City let contract paving 3910 sq.yd. streets, with Hassan concrete, to Connecticut Hassan Paving Co., 902 Chapel St., New Haven, $2.77 per yd., total $10,842; 3983 sq.yd. with Bessemer dunn cut hillside blocks, to Barbara & D'Aurio, 63 Bank St., $5.96 per yd., $23,745; 25,291 sq.yd. with warranite on concrete base, to Warren Bros. Co., 173 Berkeley St., Boston, Mass., $3.19 per yd., $80,678; 8927 sq.yd., with Bermuda topeka on concrete base, and 10,800 sq.yd. with Bermudez sheet asphalt on concrete base, to E. Tracy, 200 Olivia St., Derby, $2.83 and $3.03 per yd., $25,263 and $32,724 respectively. Noted Feb. 20.

★**Conn., Willimantic**—City let contract improving streets, (a) concrete sidewalks and curbs, (b) resetting curbs, to D. P. Ahern, 147 Spring St., (a) $0.32 per lin.ft., (b) $0.40 per lin.ft. Noted Nov. 21.

New York—State Highway Comn., Albany, received lowest 3 bids Apr. 30, building roads in following counties: (a1) Albany Co., 1.03 mi., Rd. No. 1518, Albany-Rural Cemetery;
(2) 4.1 mi. No. 5643, Bethlehem Center-Beckers Corners;
(b) Chemung Co., No. 5208-A, Horsehead Montour Falls;
(c) Clinton Co., 3.34 mi. No. 1489, Chazy-Champlain Rd.;
(d) Essex Co., 4.95 mi. No. 1411, Wadhams Mills-Whallensburg;
(e) Hamilton Co., 6.82 mi. No. 1458, Morehouseville-Piseco Rd., Part 1;
(f1) Oneida Co., .97 mi. No. 1517, Utica-Maynard Rd.; (2) 1.05 mi. No. 1382, Rome-Ave Rd., Part 1;
(g1) Onondaga Co., .96 mi. No. 1505, Jordan Village, North Main St.; (2) 2.37 mi. No. 1073-A, Minoa-Manlius Center-Manlius; (3) No. 5630, 1.76 mi. Weedsport-Jordan, Part 2;
(h) Oswego Co., 5.43 mi. No. 5644, Parish-Camden, Part 3;
(i1) Wayne Co., 3.83 mi. No. 1516, Altom-Walcott, Part 1; (2) 3.21 mi. No. 8005, Alton-Wolcott, Part 2;
(j1) Westchester Co., 1.74 mi. No. 1370, Harts Corners-White Plains; (2) 1.09 mi. No. 1456, Westchester Ave.; also repairing following:
(k) Hamilton Co., Repair No. 1207, Rd. No. 848;
(l) Jefferson Co., Repair No. 1211, Rd. 236;
(m) Onondaga Co., Repair No. 1212, Rd. No. 5274, from T. P. B. Kennedy, Albany, (a1) $34,863; (g1) $28,349; (g3) $50,567.
Belmar Contg. Co., Inc., Troy, (a1) $35,697.
W. Ruhtz, Watervliet, (a1) $35,998.
E. J. Latus, Albany, (a2) $129,639.
Veeder Contg. Co., Schenectady, (a2) $130,696.
J. J. Guinan, 2314 Gravesend Ave., Brooklyn, (a2) $132,559.
J. W. Gurnett, Watkins, (b) $17,958.
Greenfield Constr. Co., 89 Main St., Hornell, (b) $17,984; (f1) $24,505; (g2) $65,350.
Spellman-Oliver Co., Lake St., Chateaugay, (c) $54,372.
McCambley, Day & Lobdell, Plattsburg, (c) $55,321.
L. Mayersohn, Albany, (c) $55,945.
Callanan Bros., Keeseville, (d) $104,784.
De Graf & Hogeboom Inc., Kingston, (e) $160,008.
H. A. Schaupp, Guilderland, (f1) $24,732.
Newport Constr. Co., 200 North Main St., Herkimer, (f1) $29,517.
H. W. Roberts, 610 Lansing St., Utica, (f2) $53,534.
F. S. Sporato, Syracuse, (g1) $30,889; (g3) $54,062.
J. Kelly, Syracuse, (g2) $63,395.
C. T. Hookway, Syracuse, (g2) $66,460.
J. Johnson Constr. Co., 765 Abbott Rd., Buffalo, (h) $94,622.
W. Semper, Watertown, (h) $94,748.
Dale Eng. Co. Inc., Mann Bldg., Utica, (h) $96,389.
Cleveland & Sons Co., Brockport, (i1) $109,198; (i2) $87,527.
Harradine Bros. Co., Inc., Spencerport, (i1) $113,688.
Monroe Roads Co., Pittsford, (i1) $118,818.
Hendrickson-McCabe Constr. Co., Syracuse, (i2) $96,937.
Cole & Smolley, Holley, (i2) $97,092.
Malloy & Murray Contg. Co., Yonkers, (j1) $58,424; (j2) $45,304.
Good Road Eng. & Contg. Co., Inc., Portchester, (j1) $58,718; (j2) $44,450.
Kennedy Contg. Co., Inc., Utica, (j1) $59,642.
L. Petrillo, Mt. Vernon, (j2) $44,310.
Chenango Constr. Co., Albany, (k) $40,606.
L. D. Sullivan, Utica, (k) $41,752.
J. E. Flood, Hudson Falls, (k) $43,915.
W. F. Cogley, Utica, (l) $32,403.
W. T. Thayer & Co., Chateaugay, (l) $32,783.
A. F. McConville, Ogdensburg, (l) $32,783.
Lane Constr. Co., 37 Colony St., Meriden, Conn., (m) $41,367.
Rossney Contg. Corp., Buffalo, (m) $45,023.
Brayer Bros., Pearson Blk., Auburn, (m) $45,621. Noted Apr. 10.

★**N. Y., Buffalo**—City let contract repaving 787 ft. Babcock St. from clk to Prenatt Sts., 30 ft. wide, to Constantine Constr. Co., 240 Dewey Ave., $13,575. Work involves 2628 sq.yd. vitr. block on 6 in. concrete base and 1014 lin.ft. medina sand curbing.

★**N. Y., New York**—F. L. Dowling, pres. Manhattan Boro., let contracts regulating and repaving Park Pl. from Bway to West Bway. and 155th St. from point 140 ft. west of Washington Heights line of Bway. to Riverside Dr., to O'Rourke Contg. Co., 150 Nassau St., $32,485 and $18,773 respectively: Beekman St. from Nassau to William Sts., to W. J. Fitzgerald, 547 West 45th St., $10,238; West 155th St. from Bway. to point 140 ft. west of Washington Heights Line of Bway., to Union Paving Co., Bway. and 112th St., $4633. Noted May 1.

★**N. Y., New York**—F. L. Dowling, pres. Manhattan Boro., let contract regulating, grading and paving Park Ave. from 40th to 42nd Sts., to Burnside Constr. Co., 270 East Burnside Ave., Bronx, $35,845. Noted Apr. 3.

N. Y., New York—L. Nixon, supt. pub. wks., Capitol, Albany, received lowest 3 bids paving portions of terminal sites at Mott Haven, Greenpoint and Gowanus Bay. Contr. 44-P. from Asphalt Constr. Co., 208 Bway., $81,360; M. J. O'Hara, 557 3rd St., Brooklyn, $83,340; Continental Contg. Corp., 4-6 Washington Pl., $84,328. Noted Apr. 3.

N. Y., S. I. St. George—C. D. Van Name, pres. Richmond Boro., received bids May 2, regulating and repaving with concrete, Forest Hill Rd. from Colony Rd. to Rockland Ave., from J. Johnson Sons, $18,332; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $19,475; C. Vanderbilt, 24 Elizabeth St., West New Brighton, $19,784. Noted Apr. 24.

★**New Jersey**—State Highway Com., Trenton, let contract building Morris-Plains-Morristown, Rd., in Newark, to T. F. Delaney Co., Newark, $42,177.

★**N. J., Elizabeth**—Bd. Freeholders Union Co. let contract repairing roads with bituminous concrete, to Weldon Constr. Co., Elizabeth, $17,720.

Pennsylvania—State Highway Dept., Harrisburg, received lowest 3 bids building roads in counties as follows: 5443 ft. rein.-con. Blair Co., from L. Brua, Holidaysburg, $29,987, E. H. Brua, Holidaysburg, $30,881, Standard Contg. Co., Altoona Trust Bldg., Altoona, $31,048; 16,177 ft. vitr. brick, Cambria Co., from R. R. Myers, Lewistown, $166,318, E. A. James, Johnstown, $187,862, Trimpey & Whipkey, Casselman, $195,754; 32,100 ft. bituminous surface on concrete foundation and Hillside vitr. brick, Centre Co. Gaylord International Eng. & Constr. Co., Mears Bldg., Scranton, $249,332, Eastern Paving Co., Colonial Trust Bldg., Phila., $272,527, M. J. Malley, Sugar Notch, $276,684; 21,626 ft. rein.-con. Chester Co., McNichol Paving Co., 1923 Cherry St., Phila., $150,314, Warren Moore & Co., 13th and Market Sts., Phila., $156,686; T. W. Reilly & Co., Lancaster, $158,576; 2334 ft. rein.-con. Chester Co., Manwaring & Cummins, 24-32 East Church Lane, Germantown, $20,981, Fish & Young, Phila., $21,639, Juniata Co., Empire Bldg., Phila., $22,266; 1842 ft. vitr. brick, Clarion Co., L. H. Hileman Constr. Co., 1st Natl. Bank Bldg., New Kensington, $25,812, George & Boggs, Clarion, $25,903, J. E. Prunk, Clarion, $26,571; 8414 ft. rein.-con. and Hillside vitr. brick, Juniata Co., J. B. Trexler, Reading, $54,530, Valley Constr. Co., Athens, $56,379, Gregory Paving Co., Lewiston, $58,982; 22,452 ft. bituminous surface on concrete foundation, Luzerne Co., M. J. Malley, Sugar Notch, $160,899, Lane Constr. Co., 37 Colony St., Meriden, Conn., $164,882; P. J. Boyle Constr. Co., Wilkes-Barre, $166,606; 10,560 ft. rein.-con. Luzerne Co., T. W. Reilly & Co., Lancaster, $102,424, P. J. Boyle Constr. Co., Wilkes-Barre, $117,098, E. P. Arbogast, Stroudsburg, $117,389; 40,004 ft. rein.-con. and Hillside vitr. brick, Berks-Schuylkill Co., Neumeyer Bros., South Bethlehem, $304,110, D. G. Aronberg, Norfolk, Va., $408,661, R. T. and C. D. Stewart Contg. Co., 14 South 3rd St., Easton, $412,715; 26,310 ft. rein.-con. Tioga Co., Warren Moore & Co., 13th and Market Sts., Phila., $217,563, Horn & Devling, Main St., Galeton, $241,975, Dale Eng. Co., Inc., Mann Bldg., Utica, N. Y., $245,021; 10,717 ft. rein.-con. Warren Co., J. McCormick &

Streets and Roads (Continued)

Bro., Erie, $69,540, Keystone Contr. Co., Meadville, $72,923, Erie Concrete & Steel Co., 13th and Cranberry St., Erie, $74,591. Noted Apr. 10.

★**Pa., Dormont** (Pittsburgh P. O.)—Boro. let contracts to Pittsburgh Paving Co., Bakewell Bldg., Pittsburgh, grading, paving, curbing and guttering sections of Delwood, Dormont, Eastmont and Montpelier Aves., involving 4610 sq.yd. vitr. brick on 5 in. concrete base, 2530 cu.yd. earth excav. and 3280 lin.ft. concrete curb and gutter, cost $26,000; P. A. Bennetend & Bro., 310 Down Ave., West Liberty, Glenmore Ave., 2520 sq.yd. vitr. brick on 5 in. concrete base, 1500 cu.yd. earth excav. and 1720 lin.ft. concrete curb and gutter, $14,000; F. Donatelli, Pittsburgh, 1940 sq.-yd. vitr. brick on 5 in. concrete base, 2500 cu.yd. earth excav. and 1000 lin. ft. concrete curb and gutter, also grading and sewering Ocean Ave., 8 and 15 in. terra cotta pipe, etc.; $14,000.

★**Pa., Ebensburg**—Cambria Co. let contract paving 5 mi. Yoder Twp. Rd., 16-21 ft. wide, brick, to Vipond Constr. Co., 2222 Beale Ave., Altoona. About $350,000.

★**Pa., Johnstown**—City let contract grading and paving Fronheiser and McMillen Sts., Bell Alley and Central Ave., also building sewer, to Loomis & King, Central Trust Bldg., Altoona; about $32,000.

★**Pa., Pittsburgh**—City let contract grading, paving and curbing McCandless Ave. from 56th St. to Stanton Ave., to M. O'Herron, South 1st and McKean Sts.; about $14,234. Noted Apr. 17.

★**Pa., Pittsburgh**—Allegheny Co. let contract building 2900 ft. Duncan Ave., from Butler Plank Rd. to Butler Pike. Hampton Twp., 18 ft. wide, telford macadam, to M. O'Herron, South 1st and McKean Sts.; about $26,989. Noted Apr. 3.

★**Pa., Washington**—Washington Co. let contracts resurfacing Taylorstown Rd., slag concrete, to F. Donatelli, Pittsburgh, $14,-282; Pike Run Rd., gravel concrete, to W. Pickett & Co., Forrest Ave., Washington, $22,025; Monongahela-Donora Rd., gravel concrete, to L. F. Edwards & Bro., Greensburg, $65,101. Noted Apr. 3.

★**Pa., Waynesburg**—Comrs. Greene Co. let contract rebuilding 4765 lin.ft. Smith Creek Rd., 16 ft. wide, rein.-con., Franklin Twp. About $42,976. Noted Apr. 17.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract building (a) 1.63 mi. Defense Highway from Bladensburg toward Lanham, 16 ft. wide, Contr. P-16; (b) 1.67 mi. road from Largo to Western Branch, 15 ft. wide, Contr. P-17; (c) 0.65 mi. road through Greensboro, 15 ft. wide, Contr. Co.-19; (d) 1.5 mi. road from end of Quantico State Aid Rd. toward Catch Penny, 15 ft. wide, Contr. No. WI-13; all concrete, 8 in. thick in centre and 6 in. on side, from Piel Constr. Co., 2519 Edmondson Ave., Baltimore; (a) $52,084, (b) $56,064; Juniata Paving Co., Empire Bldg., Phila., (c) $17,935; Aetna Constr. Co., 1107 Amer Bldg., Baltimore, (d) $50,981. Noted Apr. 17.

★**Maryland**—State Rd. Comn., 601 Garrett Bldg., Baltimore let contract building 0.5 mi. Baltimore-Washington Blvd. from Laurel to Hyattsville, Prince George Co., to Fisher & Carozza, 803 Calvert Bldg., Baltimore, $128,476. Noted Apr. 17.

★**Md., Baltimore**—Bd. Awards let contract grading and paving 2.8 mi. private alleys, 3-12 ft. wide, 6 in. cement concrete, Contr. No. 40, to Arundel Constr. Co., 416 East Lexington St., $28,935. Noted Apr. 17.

★**W. Va., Fairmont**—Marion Co. let contracts, grading, draining and paving 1.5 mi. road from Dakota to Rivesville Rds., 14 ft. wide, vitr. brick and concrete, to Shuttle & Sacci, Fairmont, $40,512; 4.75 mi. Fairview Pike, 14 ft. wide, concrete, to N. M. Leigh, Mannington, $139,439; 2 mi. Watson-Boothville Rd., 14 ft. wide, concrete, to Hamilton & Bambridge, Fairmont, at $2.12 per sq.yd.; 0.31 mi. Monongah Rd., 14 ft. wide, concrete, to J. Fucci, Weston, $2.40 per sq.yd. Noted Mar. 6.

★**W. Va., West Union**—Doddridge Co. let contracts to Cisler & Morse, Marietta, O., paving 1.86 mi. Rock Run Rd., and 1.75 mi. Blue Stone Rd., 14 ft. wide, concrete, 6 in. thick on side and 7½ in. thick in center, $51,718 and $41,700 respectively.

Ohio—State Highway Comn., Columbus, received bids Apr. 30, building roads as follows:

Clinton Co., Sect. "O", Cincinnati-Zanesville Rd., 2.37 mi. grading, constructing bridges and culverts and paving with waterbound macadam, Brewer & Brewer Sons, Chillicothe, $32,942; Wilson Eng. & Constr. Co., Xenia, $33,405; Sect. "P", $46,-021; Sect. "Q," $65,590; S. M. Timberlake, Amer. Central Life Bldg., Indianapolis, Sect. "P", $49,978.77; Sect. "Q", $69,665; J. W. Weeks, Dayton, Sect. "P," $51,-600.15; Sect. "Q," $71,928.

Coshocton Co., Sect. "C-1", Newark-Coshocton Rd., 2.48 mi. grading, constructing bridges and culverts and paving with monolithic brick, John Hall, Coshocton, $100,695; Dunsweiler Constr. Co., Zanesville, $101,928; Henderson Bros., Coshocton, $102,914; rein.-con. Henderson Bros., $91,821; Dunsweiler Constr. Co., and John Hall, both, $92,067.81.

Delaware Co., Sect. "A-2", Delaware-Marysville Rd., 2.85 mi., grading, constructing bridges and culverts and paving with waterbound macadam, A. B. Shaw, Delaware, $50,677; Horners-Renick, Williamsport, $55,908; S. C. Kisner & Sons, Delaware, $57,220.51; bituminous macadam, A. B. Shaw, $54,677; A. W. Burns & Co., 55 East State St., Columbus, $58,292; S. C. Kisner & Sons, $58,864.

Sect. "B", 5.02 mi. grading, constructing bridges and culverts and paving with waterbound macadam, A. B. Shaw, $88,-982; C. W. Neff, Circleville, $100,974; Horners-Renick, Williamsport, $101,034; bituminous macadam, A. B. Shaw, $95,-467.47; A. W. Burns, $103,880; Horners-Renick, $104,327.

Fairfield Co., Sect. "F", Lancaster-Newark Rd., 2.05 mi., grading, constructing bridges and culverts and paving with waterbound macadam, H. W. Curry, Eaton, $41,732; J. C. McCann, 262 Midland Ave., Columbus, $42,694; F. H. Vogelmeir, Newark, $43,709.

Holmes Co., Sect. "H-1', Millersburg-Canal Dover Rd., 2.5 mi., grading constructing bridges and culverts, L. B. Wilson, Newark, $21,306; Miller & Rothrock, Ada, $21,475; Holmes Constr. Co., Millersburg, $22,288.

Knox Co., Sect. "A", Mt. Vernon-Newark Rd., 3.79 mi., grading, constructing bridges and culverts and paving with monolithic brick, Dorsey Constr. Co., Findlay, $162,-759; H. P. Streicher Co., 319 Terminal Bldg., Toledo, $163,143; Graham & Knight, Columbus, $164,814.

Marion Co., Sect. "F", Marion-Kenton Rd., 5.36 mi., grading, constructing bridges and culverts and paving with rein.-con. Williams & Little, Marion, $154,705; P. Drake & Sons, Marion, $163,769; Galion Constr. Co., Galion, $163,828; bituminous macadam, Brady & Connell, Marion, $134,-767; J. Wroe, Dayton, $147,514.

Ottawa Co., Sect. "E-2", Oak Harbor-Genoa Rd., 1.59 mi., grading, constructing bridges and culverts and paving with concrete, Wise Bros. & Berman, Elmore, $44,-521; Highway Constr. Co., Elyria, $46,269; York & Studebaker, Greenville, $46,395.

Tuscarawas Co., Sect. "O-1", Millersburg-Canal Dover Rd., 1.5 mi., grading, constructing bridges and culverts and paving with concrete, Spring & Rogers, New Philadelphia, $41,686.

Sect. "O" Canal Dover-Wooster Rd., 2.52 mi., grading, constructing bridges and culverts and paving with concrete, Hahn Constr. Co., Canton, $76,686; Springer & Rogers, New Philadelphia, $76,706; brick, F. H. Beckler, Athens, $90,000; Hahn Constr. Co., $95,957; Springer & Rogers, $96,182.

Union Co., Sect. "B-1", Marysville-Kenton Rd. 2.88 mi., grading, constructing bridges and culverts and paving with waterbound macadam, C. O. Hurd, Marysville, $41,463; Perry & Fox, Richwood, $42,431; J. C. McCann, Columbus, $44,171.

Vinton Co., Sect., "G-2", McArthur-Athens Rd., 1.06 mi., grading, constructing bridges and culverts and paving with concrete, E. N. Turner, Logan, $26,820; W. C. Brown, Chillicothe, $26,893; F. H. Beckler, Athens, $27,600.

Washington Co., Sect. "J-1", Marietta-Caldwell Rd., 3.027 mi., grading, constructing bridges and culverts and paving with plain concrete, Appenzeller, Stokley & Friedman, Greenville, $94,413.

Wyandot Co., Sect. "B", Tiffin-Upper Sandusky Rd., 166 mi., grading, constructing bridges and culverts and paving with asphaltic concrete, H. F. Streicher Co., 319 Terminal Bldg., Toledo, $61,756; Modern Constr. Co., Fremont, $61,666.

Lucas Co., Sects. "B", "C" and "D" and Sections "A" and "B" of several roads, maintenance and repair, H. W. Curry, Eaton, $10,995.

Sections of 3 roads, maintenance and repair, H. W. Curry, Eaton, $17,144.

★**Ohio**—State Highway Comn., Columbus, let contracts improving roads in counties as follows:

Gallia Co., Sect. "H", Ohio River Rd., .56 mi., grading, constructing bridges and culverts and paving with waterbound macadam to Rush Wolfe, Gallipolis, $19,-998.

Holmes Co., Sect., "B-1", Millersburg-Wooster Rd., 3.59 mi., grading, constructing bridges and culverts and paving with concrete and gravel, W. H. Gray, Bowling Green, $70,232.

Muskingum Co., Sect. "L-2", Zanesville-Cincinnati Rd., .445 mi., grading, constructing bridges and culverts and paving with tarbound macadam, Adams Bros., Muskingum Ave., Zanesville, $16,478.

Lake Co., Sect. "T", Cleveland-Buffalo Rd., 7.71 mi., grading, constructing bridges and culverts and paving with monolithic brick, Freshwater & Son, Toledo, $275,823.

Lake Co., Sect. "Q-2", Clevland-Buffalo Rd., 5.43 mi., grading, constructing bridges and culverts and paving with monolithic brick, Freshwater & Son, Toledo, $195,366.

Guernsey Co., Sect. "S", Steubenville-Cambridge Rd., 1.81 mi., grading, constructing bridges and culverts and paving with waterbound macadam, S. W. Wrightsel & Son, Logan, $30,690. Noted Apr. 3.

★**O., Cleveland**—City let contract paving Claybourne Ave. from West 38th St. to west end, involving 1595 cu.yd. excav., 42,-695 sq.ft. 4 in. brick on 6 in. concrete base and 3475 ft. 5 in. stone curbing, etc., to O. J. Leach, 751 East 117th St., $25,527.

O., Cleveland—City received bids paving (a) West 95th St., from Almira to Maywood Aves., (b) West 44th St. from Denison Ave. to south end, (c) West 35th St. from Mapledale to Trowbridge Aves., (d) Aetna Rd. from East 93rd St. to Erie R.R., (e) Bessemer Ave. from East 65th to 75th Sts., (f) Carnegie Ave. from East 89th to 100th St., (g) Franklin Ave. from Franklin Circle to West 65th St., (h) Roanoke Ave. from West 30th to Broadview Rd., (i) East 117th St. from Kinsman Rd. to Ely Ave., (j) East 74th St. from Aetna Rd. to Union Ave., (k) East 49th St. from Czar to Barkwell Aves., (l) East 119th St. from Kinsman Rd. to Union Ave., from Freshwater Constr. Co., 11712 Detroit Ave., (a) $21,-452 (b) $6726, (c) $38,489; Baldwin Bros., 4500 Euclid Ave., (a) $22,292, (b) $6758, (c) $38,481, (d) $22,881, (h) $18,876, (i) $20,962, (j) $21,093, (k) $9769, (l) $20,-783; R. P. Burnett, Society for Savings Bldg., (a) $22,836; Roehl Bros., West 25th and Clark Sts., (b) $6473, (c) $37,156, (h) $18,403; Enterprise Paving Co., 8436 Bway Ave., (d) $22,304, (j) $21,195, (k) $10,020, (l) $20,937; Rueley Bros., The Arcade, (d) $23,441, (e) $66,729, (h) $19,674, (i) $21,-874; O. J. Leach, 751 East 117th St., (e) $64,696; McHugh Bros., (e) $67,371; W. F. Goltra Tie Co., 910 Rockefeller Bldg., (f) $85,988; Cleveland Trinidad Paving Co., The Arcade, (f) $91,410, (g) $35,395; Bentley Bros., Electric Bldg., (f) $91,608, (j) $20,906; Amer. Paving Co., Marshall Bldg., (g) $34,895; A. M. Pepsa, 2359 East 93rd St., (i) $21,545, (l) $21,111. Noted May 1.

O., Toledo—City received bids Apr. 22, paving 1494 ft. Burnham Ave. from Sylvania to Maple Aves., 24 ft. wide, involving 3000 lin.ft. curbing, 2345 cu.yd. excav. and 4300 sq.yd. pavement (a) concrete, (b) brick, from Vollmayer & McMahon, 444 Melrose Ave., (a) $17,092, (b) $21,352; McKinney Bros., 371 Spitzer Bldg., (a) $20,-785, (b) $26,754; P. H. Watters, 323 Nasby Bldg., (a) $21,140, (b) $26,678. Noted Apr. 10.

★**O., Toledo**—City let contract grading, curbing and paving 5132 ft. Adams St. from Summit St. to Ashland Ave., 40 ft. wide, involving 14,345 sq.yd. wood block on 7 in. concrete base and 5000 cu.yd. excav., to Russell & Jennison, 2463 Bway, $119,721. Noted Mar. 27.

★**Ind., Terre Haute**—City let contract grading and paving ½ mi. Poplar St., 36 ft. wide, involving 11,420 sq.yd. 8-in. concrete, to Pfizenmayer Constr. Co., Terre Haute, $31,250. Noted April 24.

★**Ind., Terre Haute**—City let contracts, to Pfizenmayer Constr. Co., Terre Haute, grading, paving, guttering and curbing ½ mi. South 11th St., 33 ft. wide, involving 10,170 sq.yd. 8-in. concrete, $26,559; ½ mi. Garfield Ave., 26 ft. wide, involving 8170 sq.yd. 8-in. concrete, $22,750. Noted Jan. 16.

Mich., Detroit—Dept. Pub. Wks. received bids paving streets with asphaltic concrete on 6-in. concrete foundation, Berea curbstone, and alleys with 1 course concrete with wood retaining plank: (1) Caleron St. from Junction to Cavalry Aves., 26 ft. wide; (2) Goodwin Ave. from Caniff Ave.

Streets and Roads (Continued)

to north city limits, 26 ft. wide; (3) Goodwin Ave. from Holbrook to Owen Aves., 26 ft. wide; (4) Greeley Ave. from Wellington to Holbrook Aves., 26 ft. wide; (5) Longfellow Ave. from Linwood to Lawton Aves., 26 ft. wide; (6) Marquette Ave. from Wabash to Lawton Aves., 26 ft. wide; (7) Springwells Ave. from Ferndale to Dix Aves., 26 ft. wide; (8) Woodland Ave. from Oakland Ave. to Detroit, Grand Haven & Michigan R.R., 26 and 30 ft. wide; (9) Colby Ave. from Russell St. to Detroit & Bay City R.R., 26 ft. wide; (10) Gould St. from Crossley to Anderson Sts., 20 ft. wide.

From Cleveland Trinidad Paving Co., 2940 Woodward Ave., (1) $15,075; (2) $17,817; (3) $8845; (4) $20,976; (5) $17,385; (6) $37,228; (7) $27,928; (8) $24,060.

From Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) 14,932; (2) $17,867; (3) $8914; (4) $19,827; (5) $17,527; (6) $36,337; (7) $27,326; (8) $24,308.

From W. B. Brady Constr. Co., 1972 Grand River Ave., (1) $14,998 (2) $17,885; (3) $8876; (4) $20,002; (5) $17,275; (6) $36,466; (7) $28,194; (8) $24,200.

From J. Porath, 24 McGraw Bldg., (9) $5105; (10) $2908.

From R. Porath, 1131 McKinley Ave., (9) $5826; (10) $2731. Noted Mar. 20, 27 and Apr. 3.

★**Mich., Detroit**—Dept. Pub. Wks. let contracts, to Detroit Asphalt Paving Co., 20 McGraw Bldg., paving Waterloo Ave., $28,341; Alexandrine Ave., $25,408; Fulton St., $14,366; Leland St., $13,824; Huron St., $11,206; Van Court Ave., $38,204; Drexel Ave., $14,983; Military Ave., $7858; to Cleveland Trinidad Paving Co., 2940 Woodward Ave., Leslie Ave., $30,699; Beuna Vista Ave., $23,117; Grand Ave., $15,155; Waverly Ave., $14,749; Tyler Ave., $14,478; Highland Ave., $15,163; Monterey Ave., $14,219; to W. B. Brady Constr. Co., 1972 Grand River Ave., 12th St., $115,490; to T. E. Currie, 20 McGraw Bldg., Alley No. 979, $4937; No. 982, $1202; No. 983, $3610; to Otis Cement Constr. Co., 806 Hammond Bldg., Alley No. 980, $4973; No. 981, $4853; to Lennane & McIlvenna, Union Trust Bldg., Alley No. 984, $2158. Noted Apr. 24.

★**Ill., Chicago**—Cook Co. let contracts building 16,124 lin.ft. Lincoln Highway extending east from Matteson Village, involving 32,628 sq.yd. 5 in. cement pavement, 10,626 cu.yd. excav., 152 cu.yd. concrete in bridges, 9784 lbs. steel reinforcing, etc., to J. Mackler, Chicago Heights, $82,235; 31,784 lin.ft. extending east of South Chicago Heights, 67,750 sq.yd. 5 in. cement pavement, 25,092 cu.yd. excav., 607 cu.yd. concrete in bridges, 42,452 lbs. steel reinforcing, etc., to Russell & Ashdown, Chicago Heights, $170,839. Noted Apr. 24.

★**Wis., Sheboygan**—City let contract paving, curbing and guttering 16,000 yd. Bway. and Main Sts., 18 ft. wide, 2 course rein.-con. to Braun Constr. Co., 1317 Pennsylvania Ave., $36,815. Work involves 16,000 sq.yd. concrete.

★**Ia., Spencer**—Comrs. Clay Co. let contract paving, curbing and excavating 30,000 ft. Grove, 4th, Hough, 5th, Park, 1st, 6th, 8th, Prairie, Mill, State, West, Water, Miller, 12th and 14th Sts., 18-40 ft. wide, to McLaughlin & Sons, Red Oak, $290,000. Work involves 93,000 sq.yd. rein.-con. at $2.72 sq.yd. 55,000 lin. ft. integral curbing, $0.61 and 12,000 cu.yd. earth excav., $0.80.

★**Minn., Minneapolis**—Comrs. Hennepin Co. let contract paving, grading and surfacing 6 mi. Osseo-Champlin Rd., 18-20 ft. wide, to General Contg. Co., 1254 Plymouth Bldg., $196,506. Noted Mar. 27.

★**Kan., Council Grove**—City let contract for 4016 sq.yd. paving, to E. W. Geiger Constr. Co., Leavenworth, $2.99 per sq.yd.

★**Neb., Albion**—City let contract paving 15 blocks, involving 25,380 sq.yd. asphaltic concrete on 5 in. concrete base, to Natl. Roofing Co., 627 Paxton Blk., Omaha, $76,880.

★**South Dakota**—State Highway Comn. at Co. Auditor's Office, Belle-Fourche, let contract building 11.8 mi. Belle Fourche-Alzada Rd., 36 ft. wide, to A. D. Sears, Chadron, Neb., $33,538. Noted Mar. 20.

★**South Dakota**—State Highway Dept., Pierre, let contract grading, graveling and draining 8.6 mi. Millbank-Clear Lake Canby Rd., 18 ft. wide, Denel Co., to L. E. Gage, West 12th St., Sioux Falls., $26,428. Noted Mar. 6.

★**South Dakota**—State Highway Dept., Pierre, let contract grading, graveling, and draining 16.5 mi. Watertown-Redfield Rd., 18 ft. wide, Clark Co., to Roush Bros., Clark, $74,671. Noted Mar. 13.

★**N. D., Grand Forks**—City let contract paving all cement walks and street crossings during year, to J. A. Dunnie Co., Grand Forks, $0.16 and $0.20 per sq.ft. respectively.

★**Ark., Jonesboro**—Bd. Comrs. Craighead Co. let contract building 165 mi. road in Lake City, Nettleton and Bay Rd. Impvt. Dist. No. 1, 18 ft. wide, waterbound macadam, with bituminous surface treatment, to J. E. Edwards Constr. Co., 618 West Capitol Ave., Little Rock, $430,830.

★**Tex., Lockhart**—Comrs. Caldwell Co. let contracts to C. M. Schoenfield, 320 Hunstock Ave., San Antonio, building 3.74 mi. road known as Middle Buster Highway, Dist. No. 6, involving surfacing with gravel and bituminous treatment, 10,266 cu.yd. earth, 100 cu.yd. loose rock and 10 cu.yd. solid rock excav., $15,905; putting in drainage structures involving 178 cu.yd. concrete, 285 cu.yd. structural excav., 12,450 lb. reinforcing steel and 10 ft. 24 in. c. i. pipe, $4791; Finley Method Co., Great Southern Life Bldg., Dallas, furnishing 17,550 gal. bituminous material and cover material of 780 cu.yd. trap rock, for above highway, $11,702; J. A. Coopwood, Lockhart, improving 6.61 mi. Middle Buster Highway, Rd. Dist. No. 1, including grading, surfacing, placing and spreading gravel, rolling, sprinkling, etc., and clearing and grubbing 1.9 acres, involving 22,811 cu.yd. earth, 400 cu.yd. loose rock and 100 cu.yd. solid rock excav., $23,326; Austin Bros. Bridge Co., 1815 Coombs St., Dallas, building drainage structures on same highway, involving 960 cu.yd. concrete, 56,516 lb. reinforcing steel, 78 ft. 18 in. and 28 ft. 24 in. vitr. pipe, $25,439.

★**Washington**—State Highway Bd., Olympia, let contract grading and gravel surfacing 4 mi. State Rd. No. 18 from Morton to Kosmos, to Gibson & Graham, Chehalis, $51,731. Noted Apr. 17.

★**Wash., Bremerton**—City Council let contract grading, paving and curbing Park Ave., involving 12,000 sq.yd. Portland Cement, 7000 cu.yd. earth excav., 500 lin.ft. 10 in. sewer and 8000 lin.ft. concrete curbing and guttering, to D. W. Metler, Bremerton, $49,692. Noted Mar. 27.

★**Wash., Davenport**—Lincoln Co. let contract grading 1½ mi. road near Almira, to Thompson & Kullander, Wilbur. About $10,000. Noted Mar. 27.

Wash., Everett—Snohomish Co. rejected only bid received Apr. 14 surface grading and paving 3 mi. Bond Project No. 30, 16 ft. wide, 5 and 7 in. concrete. About $60,000. Work will be done by day labor under supervision of F. G. Tegtmeier, co. engr.

★**Wash., Kent**—City let contract curbing 1 mi. and paving 4 mi. 1st, 2nd, 3rd, 4th, 5th, Jason, State and Clark Aves., Gowe, Harrison, Shimn, Meeker, Temprance and Clark Sts., and Scenic Way, 20 ft. wide, concrete on 6½ in. concrete base, to Puget Sound Eng. Co., 611-612 Mutual Life Bldg., Seattle, $99,930. Noted Apr. 3.

★**Wash., Olympia**—Comrs. Thurston Co. let contract clearing, grading and draining 8200 ft. Pacific Highway from Lewis Co. line to Grand Mound, to Allred, James & Henricks, Centralia, $10,488.

Wash., Seattle—City received bids Apr. 18, grading 48th Ave., S. W. et al, involving 24,000 cu.yd. earth excav., 105,000 ft. B. M. lumber, wooden curbs, etc., from E. J. MacQuaid, 6556 3rd St. N. W., $25,803; B. E. Kupoff, L. C. Smith Bldg., $26,134.

★**Ore., Eugene**—Lane Co. will grub, clear and grade 6 mi. Cottage-Grove-Lorane Rd. Work will be done by day labor.

★**California**—State Highway Comn., Forum Bldg., Sacramento, will grade 15.2 mi. and pave 11.4 mi. road between Tecate Divide and east boundary of San Diego Co. About $233,000. Work involves 66,000 cu.yd. unclassified excav., 11,140 cu.yd. Class "A" concrete paving, etc. Work will be done by day labor. Former contract rescinded. Noted Mar. 6.

★**Cal., Los Angeles**—City let contract grading, paving, curbing, guttering and building storm drains, sanitary sewers, pedestrain subways, etc. on Huntington Drive, Rose Hill and Pyrites Sts., to G. H. Oswald, O. T. Johnson Bldg., $115,828. Noted Apr. 17.

★**Cal., Los Angeles**—See "Railways."

Cal., Palo Alto—City received bids for improving 1 mi. road, (a) paving, (b) grading, (c) curbing, from Federal Constr. Co., Call Bldg., San Francisco, (a) $0.174 per sq.ft., (b) $0.99 cu.yd., (c) $0.35 lin.ft.; A Teichert & Son., Ochsner Bldg., Sacramento, (a) $0.182, (b) $0.90, (c) $0.50; Clark & Henry Constr. Co., 38 South Sutter St., Stockton, (a) $0.182, (b) $0.95, (c) $0.48.

★**Cal., Santa Cruz**—City let contract grading, curbing with cement and paving with concrete and asphalt on Riverside Ave., to Blanchard, Crocker & Howell, 58 2nd St., San Francisco, $18,840.

★**Que., Valleyfield**—City will gravel 2 mi. road. About $20,000. Work will be done by day labor.

★**Ont., Strathroy**—Town let contract paving portions of Frank, Front and Caradoc Sts., bitulithic on concrete base, to Warren Bituminous Co., McKinnon Bldg., Toronto. About $57,085. Work involves 13,052 sq.yd. bitulithic on 5 and 6 in. concrete base and 5957 lin. ft. concrete curbing and guttering. Noted Apr. 10.

★**Ont., Welland**—Welland Co. will repair various roads. Cost between $80,000 and $100,000. Work will be done by day labor under supervision of W. W. Brookfield, engr.

★**Ont., Woodbridge**—City let contract paving 2 mi. main streets with waterbound macadam, to E. Dagg, Woodbridge. About $16,000.

Railways

PROPOSED WORK

New York—See "Miscellaneous" under Syracuse.

Missouri—Company being formed to be known as Southeastern & Sikeston R.R. c/o C. F. Bruton, Sikeston, to build railroads into rural districts of southeast Missouri. About $40,000 available for project.

Missouri—Manufacturers Ry., 2925 South Bway., St. Louis, having plans prepared changing switching system from steam to electric. Work involves installing poles, trolleys, transformers and 24 mi. tranmission line.

California — Inter-California R.R., 65 Market St., San Francisco, plans to replace 62-lb. rails with 80-lb. rails on line from Calexico, Cal., to Yuma, Ariz. About $700,000. W. Hood, ch. engr.

Quebec—Montreal Tramways Co., 78 West Craig St., Montreal, having plans prepared for double tracking 10 mi. line on Lawrence St. to Gouvin Blvd. and through village of Bordeaux to Park Ave. J. E. Hutcheson, genl. mgr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**California**—Pacific Electric Ry., Pacific Electric Bldg., Los Angeles, will rebuild 1 mi. old track on Echo Park Ave. and pave same. J. B. Pillsbury, ch. engr. Work will be done by day labor.

Excavation and Dredging

PROPOSED WORK

Ariz., Phoenix—Canal—Salt River Valley Water Users Assn. plans to spend $30,000 to build Arizona canal cutoff, $35,000 for installation of needle valves, $6000 for salt canal feeder, $20,000 for equipment and $49,000 for land and buildings. F. M. Wilkinson, pres.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—Dredging—L. Nixon, supt. pub. wks., Capitol, Albany, received only bid dredging barge canal terminals at Piers 5 and 6, East River, at Greenpoint and Long Island City. Contr. No. 77, from New Jersey Ship Bldg. & Dredging Co., foot of 28th St., Bayonne, N. J., $42,895. Noted Apr. 3.

★**Ark., Osceola**—Dredging—D. D. No. 17, Mississippi Co., let contract building 4 mi. ditch, 75 ft. bottom, 1 mi. ditch, 40 ft. bottom, 12 mi. levee, 8 ft. crown, three 1 side slopes from 8-11 ft. high, involving 1,588,000 yd. floating dredgework, to H. J. Sternberg, St. Louis, Mo., $266,000. Noted Feb. 27.

★**Ore., Bay City**—Dredging—Port of Bay City let contract dredging channel from main channel, mouth of Tillamook Bay to Cummings-Moberly sawmill above Garibaldi, thence north to Coates Lumber Co. sawmill, Hobsonville, via Bay City Channel, to Tacoma Dredging Co., Natl. Bank Tacoma Bldg., Tacoma, Wash.

★**Cal., Holtville** — Drainage — Imperial Water Co. No. 5 will deepen 7 mi. Pine Lateral to give drainage to Alamo River. J. S. Nickerson, pres. Work will be done by day labor.

Cal., Los Angeles—Drain—See "Streets and Roads."

Industrial Works

PROPOSED WORK

R. I., Providence—H. Fulford receives bids in June building 1 story, 130 x 150 ft. brick and rein.-con. garage, rein.-con. flooring, concrete foundation, on Summer St. About $60,000. W. R. Walker & Son, 17 Custom House, archts.

Industrial Works (Continued)

Conn., Bridgeport—W. Schmidt, archt., 1188 Main St., preparing plans for 1 story, 50 x 114 ft. brick and concrete garage, rein.-con. flooring, concrete foundation, on North Main St. About $25,000. Owner's name withheld.

Conn., Waterbury—F. A. Webster, archt., 193 Homer St., receives bids about May 10, building 2 story 100 x 120 ft. brick garage, rein.-con. flooring, concrete foundation, on North Main and North Willow Sts., for M. A. Doolittle, Watertown Ave. About $60,000.

N. Y., Antwerp—Antwerp Light & Power Co. had plans prepared developing water power on Indian River, to include rein.-con. dam, flume and power house, transmission line and installation of generator units. Address J. A. Baumert, Antwerp.

N. Y., Brooklyn—Mollers & Schuman, Marcy Ave., soon let contract building 2 story brick and steel factory, rein.-con. flooring, concrete foundation, on Gerry and Wallabout Sts. About $80,000. H. Holder, 242 Franklin Ave., archt. Noted Jan. 23.

N. Y., Brooklyn—Pathe Freres, Grand Ave., having plans prepared by R. G. Corey, archt. and engr., 39 Cortlandt St., New York City, building 7 story, 90 x 100 ft., brick, steel and rein.-con. addition to factory, rein.-con. flooring, concrete foundation.

N. Y., Buffalo—Armour Grain Co., Abbott Rd., having plans prepared building brick addition to plant. About $25,000.

N. Y., Long Island City—Sawyer Biscuit Co., 404 East 32nd St., New York City, plans to build 8 story, brick and steel factory, rein.-con. flooring, concrete foundation, on Gerry and Wallabout Sts. About $80,000. H. Holder, 242 Franklin Ave., archt. Noted Jan. 23.

N. Y., Syracuse—H. H. Franklin Mfg. Co., 302 South Geddes St., soon lets contract building 2 story, 70 x 150 ft. rein.-con. addition to plant. R. J. Reidpath & Son, Builders Exch. Bldg., Buffalo, archts. Noted Mar. 6.

N. Y., Syracuse—Ward Bros. Co., Inc., purchased site on Taylor, Burt, South, State and Grape Sts. and plan to build baking plant. About $250,000. Address E. J. Moore, local mgr.

W. Va., Huntington—Voegele & Dinny Co., 603-5 4th Ave., having plans prepared by R. T. Day, archt., 1st Natl. Bank Bldg., for rein.-con. warehouse. About $80,000.

O., Cleveland—Lockwood Greene & Co., archts., 38 South Dearborn St., Chicago, soon lets contract building 2 story, brick and timber factory, concrete foundation, covering 50,000 sq.ft. floor space, for Beckman Co., Fulton Rd. About $175,000. Noted Feb. 20.

O., Kent—Mason Cotton Fabrics Co. soon receives bids building 3-story mill. Cost, including equipment, $700,000. Lockwood, Greene & Co., 60 Federal St., Boston, Mass., archts.

Mich., Detroit—C. B. Bohn Fdry. Co., Hart Ave., having plans prepared by C. W. Brandt, archt., Kresge Bldg., building 1 story, 80 x 100 ft. rein.-con., brick and steel power plant, concrete foundation, on Hart Ave. About $25,000.

Mich., Detroit—General Motors Corp., Boyer-Campbell Bldg., plans to build manufacturing plant for Cadillac Motor Car Co. Division, on Clark and Scotten Aves. About $750,000.

Mich., Flint—D. L. Seymour & Co., Penobscot Bldg., Detroit, having plans prepared for 7 story, 70 x 200 ft. rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, on 2nd and Ann Arbor Sts., here. About $225,000.

Ill., Brooklyn—Terminal Railroad Assn., Union Sta., St. Louis, Mo., plans to build 50 x 150 ft. brick and concrete boiler shop here to replace one recently destroyed by fire. About $35,000. W. Bawden, 411 Union Sta., St. Louis, Mo., supt. and engr.

Ill., Chicago—J. A. Armstrong, archt., 11 South La Salle St., soon receives bids building 7 story, 167 x 287 ft. mill construction warehouse, concrete foundation, on Ogden Ave. and Rockwell St., for A. I. Jordan c/o archt. About $300,000.

Ill., Chicago—Foley & Co., 2835 Sheffield Ave., soon receives bids building 2 story, 40 x 125 ft. addition to present plant, new 5 story, 40 x 125 ft. building and 1 and 2 story, 125 x 125 ft. warehouse, all mill construction on concrete foundation. About $200,000. E. R. Krause, Majestic Theatre Bldg., archt.

Wis., Sheboygan — Raab-Thieman Co., 816 Niagara Ave., having plans prepared by W. C. Weeks, archt., Ontario Ave., building 2 story, 60 x 150 ft., brick garage, brick foundation. About $55,000. Noted Apr. 24.

Wis., Sheboygan—Sheboygan Publishing Co., 820 Center St., soon lets contract rebuilding printing plant. About $25,000.

N. D., Williston—Standard Oil Co. plans to build 100 x 140 ft. warehouse, autofilling station and oil tank, on 1st Ave. and 1st St.

Mo., St. Louis—Funsten Bros. & Co., 2nd and Elm Sts., plan to build 8 story dyeing and dressing plant on river front. About $50,000. P. Fouke, c/o owner, engr.

Ark., Little Rock—G. I. Dill Tractor Mfg. Co., Harrisburg, has acquired 10 acre site here and plans to build large rein.-con. fireproof factory. G. I. Dill, pres.

Ark., Searcy—See "Miscellaneous."

Ariz., Phoenix—Phoenix Wholesale Meat & Produce Co., 15th Ave. and River St., Triboiet Packing Co., Thomas Rd. and Toyrea Packing Co., Blabee, organizing company and plan to build packing plant here to include refrigeration and ice manufacturing plant. About $500,000.

Cal., Covina—Covina Citrus Assn. plans to build concrete and timber packing precooling plant, 80 car daily capacity. About $125,000. W. W. Bennett, mgr.

Cal., El Centro—Imperial Valley Milk Producers Assn. purchased site and plans to build 150 x 300 ft. plant on Main St. About $150,000.

Que., Montreal—Republic Motor Truck Co., 482 Lafayette Bldg., Detroit, Mich., plans to build automobile plant on Notre Dame St. E., here. About $250,000. Samson & Davison, 165 Bway., New York City, archts.

Que., St. Raphael East—Montmagny Electric Co., Montmagny, plans to build 2000 hp. power development on River du Lud, here. About $300,000. Gauvin & Co., 147 Mountain Hill, Quebec, archts.

Que., Sherbrooke—Dominion Carriage Co. Ltd., having plans prepared for factory. J. W. Gregoire, 191 a Wellington St., archt. About $75,000.

Ont., Hamilton—See "Buildings."

Ont., London—B. Jones, representative Republican Motor Truck Co., 76 Church St., Toronto, receives bids in about 2 weeks building brick factory. About $500,000.

Ont., Sarnia—Romeo Fdry. Co., Port Huron, Mich., purchased site on Exmouth St. here, and having plans prepared for foundry. About $50,000.

BIDS DESIRED

N. Y., Brooklyn—Until May 24, by M. A. Cantor, archt., 373 Fulton St., building 1 story, 200 x 300 x 400 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Rockaway and Church Aves., for Hudson Bag Co., Inc., 77 Washington Ave. About $150,000.

Fla., Key West—Norberg-Thompson receiving bids for cold storage and distilling plant. About $60,000.

Minn., Minneapolis—A. D. Walker, 807 Hennepin Ave. and Pence Automobile Co., 800 Henepin Ave., receiving bids for 12 story granite and brick garage and office on 8th St. and Hennepin Ave. About $1,000,000. Long, Lamareaux & Long, Andrus Bldg., archts.

Mo., Joplin—Until May 10, by Christmas Dry Goods Co., 5th and Main Sts., building 3 story, 104 x 120 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, on 4th St. and Virginia Ave. About $50,000. C. Ludhoelter, 209 West 9th St., archt. Former bids rejected. Noted Apr. 3.

P. E. I., North Wiltshire—Until May 13, by Dept. Pub. Wks., Ottawa, Ont., building 2 story, 47 x 61 ft. concrete and timber power house ad laundry, rein.-con. flooring, rock foundation, at Dalton Sanitorium here. About $70,000. R. C. Wright, c/o dept. pub. wks., archt.

Que., Montreal—Until June 15, by A. Chausse, archt., 72 Notre Dame St., E., building 10 story, 83 x 180 ft. rein.-con. and brick cold storage plant, concrete foundation, on Berri St., for Place Viger Terminal Co. About $600,000.

Ont., Guelph—Until May 21, by James, Loudon & Hertzberg, archts., Excelsior Life Bldg., Toronto, building 4 story, 80 x 200 ft. rein.-con. and brick factory on Metcalf St., for Northern Rubber Co. (formerly Premier Rubber Co.) Alternate bids will be received on beam and girder and flat slab construction. About $135,000. Noted Mar. 20.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Springfield** — Chaplin Realty Trucking Co., 296 Belmont Ave., will build 1 story, 48 x 112 ft. brick and concrete garage, rein.-con. flooring, concrete foundation. About $25,000. Work will be done by day labor.

★**Mass., Worcester**—W. H. Sawyer Lumber Co., 66 Lincoln St., let contract building 1 story brick lumber yard to include 40 x 60 ft. office, 20 x 255 ft. shed, and 20 x 50 ft. and 90 x 125 ft. kilns, to J. Miles & Sons Co., 392 Main St. About $50,000. Noted Feb. 20.

★**R. I., Providence**—G. Lafidian, 261 Plain St., will build 1 story, 47 x 80 ft. brick garage, rein.-con. flooring, concrete foundation, on Plain St. About $25,000. Work will be done by day labor. Noted Feb. 20.

★**R. I., Woonsocket**—Montrose Woolen Co., 292 East School St., let contract building 3 story 55 x 170 ft. factory, 2 story, 32 x 48 ft. office and 1 story, 34 x 43 ft. garage all brick and timber, concrete foundation, on East School St., to W. Aubin, 1103 Diamond Hill Rd. Cost between $70,000 and $80,000.

★**Conn., Bridgeport**—R. Poladian, 172 Wade St., let contract building 2 story, 60 x 80 ft. brick and timber factory, concrete foundation, to Marsh Bros. Co., 50 Buckingham St. About $25,000. Noted Apr. 17.

★**Conn., New Haven**—H. W. Walker, 421 Housatonic Ave., Bridgeport, let contract building 1 story, 72 x 113 ft. brick and concrete warehouse, rein.-con. flooring, concrete foundation, on James and River Sts., here, to Sullivan & McKeon, 843 Dixwell Ave. About $30,000.

★**Conn., South Manchester**—Cheney Bros., Hartford Rd., let contract building 3 story, 50 x 80 ft. rein.-con. storehouse, rein.-con. flooring, concrete foundation, on Elm Terrace, to Aberthaw Constr. Co., 27 School St., Boston, Mass. About $40,000.

★**Conn., Waterbury**—International Silver Co., 93 Silver St., let contract building 1 story, 45 x 80 ft. brick, concrete and steel addition to power house, rein.-con. flooring, concrete foundation, to L. A. Miller, 22 Church St., Meriden. About $25,000.

★**N. Y., Brooklyn**—W. Bauer, c/o Shampan & Shampan, archts., 50 Court St., will build 3 story, 60 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Vanderbilt and De Kalb Aves. About $50,000. Work will be done by day labor. Noted May 1.

★**N. Y., Brooklyn**—Elm St. Impvt. Co., 626 Essex St., will build 1 story, 80 x 105 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Rockaway Rd. and Fulton St. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—L. Hirsh & Sons, c/o B. W. Dorfman, archt., 26 Court St., will build 4 story, 110 x 150 ft., brick, steel and concrete factory, rein.-con. flooring, brick foundation, on Thames and Porter Sts. and Flushing Ave. About $150,000. Work will be done by day labor.

★**N. Y., Brooklyn**—L. & A. S. Bldg. Corp., 44 Court St., will build 1 story, 75 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on De Kalb and Reid Aves. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—T. S. Martin, 16 Court St., will build 1 story, 130 x 235 ft., brick and steel garage, rein.-con. flooring, brick foundation, on St. Johns Pl. and Classon Ave. About $75,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Pecker Iron Wks., 551 Rockaway Ave., will build 1 story, 100 x 100 ft., brick and steel garage, rein.-con. flooring, brick foundation, on 6th Ave. and 62nd St. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Realty Constr. Co., 44 Court St., will build 1 story, 92 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Snyder and Flatbush Aves. About $50,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Rechnitz Bros., 44 Court St., will build 1 story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, brick foundation, on Coney Island Ave. between Aves. H and I. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—A. Rockmore, 50 Court St., will build 1-story, 100 x 140 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 48th St., east of 2nd Ave. About $35,000. Work will be done by day labor.

Industrial Works (Continued)

★**N. Y., Brooklyn**—Stone Ave. Realty Co., 50 Court St., will build 1-story, 100 x 100 ft brick and steel garage, rein.-con. flooring, brick foundation, on Fulton and Hendrix Sts. About $125,000. Work will be done by day labor.

★**N. Y., Buffalo**—Standard Oil Co., 26 Bway., New York City, let contract building 1 story garage and 2 story stable, brick and rein.-con., rein-con. flooring, brick foundation, to H. D. Best, 949 Bway., New York City. About $40,000. Cost plus percentage basis.

★**N. Y., Jamaica**—L. Gold, 44 Court St., will build 1 story, 105 x 195 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Jamaica Ave., east of Freedom Ave. About $45,000. Work will be done by day labor.

★**N. Y., Jamaica**—H. & J. Merkel, 450 Fulton St., Brooklyn, let contract building 2 story, 75 x 100 ft. brick and steel factory, rein.-con. flooring, concrete foundation, on Chichester Ave., to F. Berlenbach, 36 Sydam St., Brooklyn. About $125,000.

★**N. Y., Long Island City**—Liquid Carbonic Co., 624 1st Ave., New York City, let contract building 1 story, 65 x 155 ft. brick and steel factory and warehouse, rein.-con. flooring, concrete foundation, on Maspeth Ave. between Metropolitan and Grand Aves., to G. A. Just Eng. Co., 239 Vernon Ave., Brooklyn. About $35,000. Cost plus percentage basis.

★**N. Y., New York**—G. W. Brown and S. K. W. Sellar, 636-646 West 42nd St., will build 1 story, 95 x 117 ft. brick and steel garage, rein.-con. flooring, concrete foundation. About $30,000. Work will be done by day labor.

★**N. Y., New York**—A. Gaffney, 533 West 148th St., will build 5 story, 50 x 95 ft brick and steel garage, rein.-con. flooring, concrete foundation, at 613 West 147th St. About $50,000. Work will be done by day labor.

★**N. Y., Niagara Falls**—United States Light & Heat Corp., 3215 Highland Ave., let contract building 1 and 2 story, brick and steel industrial plant, concrete foundation, on Highland Ave., to J. W. Cowper Co., Fidelity Bldg., Buffalo. Noted Apr. 24.

★**N. J., Jersey City**—R. H. H. Steel Laundry, 138 Oakland Ave., let contract building 4-story, 75 x 75 ft., rein.-con. plant, to Salmond Bros. Co., Elm St., Arlington, $63,000.

★**Pa., Franklin**—Chicago Pneumatic Tool Co., 343 South Dearborn St., Chicago, Ill., let contract to Westinghouse, Church & Kerr, 37 Wall St., New York City, for 100 x 175 ft. machine shop, 90 x 425 ft. erecting shop, 40 x 200 ft. store house, 40 x 60 ft. heating house and 40 x 75 ft. blacksmith shop, here, all 1 story, steel and brick, rein.-con. flooring, concrete foundation. Cost plus percentage basis.

★**Md., Baltimore**—Hess Steel Corp., Biddle St. and Loneys Lane, let contract constructing 1 story, 60 x 160 ft. shipping building and 1 story, 60 x 200 ft. annealing plant, concrete, steel and brick, concrete foundation on Biddle St. and Loneys Lane, to Dietrich Bros., Pleasant and Davies St. About $150,000. Noted Jan. 16.

Md., Baltimore—H. S. Wampole Co., 761 Columbia Ave., received bids building 4 story, 25 x 30 ft. concrete, steel and brick factory, brick and concrete foundation, on Barre and St. Peter Sts., from B. F. Bennett Bldg. Co., 123 South Howard St.; G. W. Tovell, Eutaw and McCulloh Sts.; Rhodes & Billops, 61 Haywood St. About $35,000.

★**Ill., Chicago**—Hydrox Co., 3543 Normal Ave., let masonry contracts building 3 story, rein.-con. ice and ice cream factory, rein.-con. flooring, concrete foundation, on Lake Park Ave. and 24th St., to Midland Eng. & Constr. Co., 332 South Michigan Ave.; carpentry, to R. Goldie Co., 19 South La Salle St. About $225,000. Noted May 1.

★**Wis., Sheboygan**—Northern Furniture Co., Maryland Ave., let contract building 4 story, 66 x 150 ft., mill construction factory, brick foundation, on Maryland Ave. and Water St., to F. Geib, 1439 South 9th St. About $65,000. Noted Mar. 20.

★**Minn., Duluth**—Consolidated Elevator Co., 518 Lyceum Bldg., let contract building rein.-con. grain elevator, rein.-con. flooring, concrete and rock foundation, 1,250,000 bu. capacity, on Fairfield Ave. and water front, to Barnett & Record Co., 415 Lyceum Bldg. About $250,000.

★**Minn., Le Sueur**—Minnesota Valley Canning Co. let contract building canning factory, to J. B. Nelson & Co., 503 Belgrade Ave., Mankato. About $25,000.

★**Minn., Minneapolis**—Robertson Shoe Co., 315 1st Ave. N., let contract building 2 story, 83 x 130 ft., concrete and brick factory, on East Hennepin Ave. and 17th St., to C. W. Lunquist & Co., 715 15th Ave., N. E., $41,000. Noted Apr. 3.

★**Mo., St. Louis**—Ely & Walker Dry Goods Co., 16th and Washington Sts., will build 8 story, 100 x 125 ft., rein.-con., steel and brick factory, concrete foundation, on Locust St. between 15th and 16th Sts. About $500,000. Work will be done by day labor.

★**Mo., St. Louis**—McElroy Sloan Shoe Co., 1511 Washington Ave., let contract building 5 story, 75 x 136 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation, on 21st St. and Washington Ave., to Murch Bros. Constr. Co., Ry. Exch. Bldg., $200,000.

★**Cal., Aroma**—See "Fresno."

★**Cal., Calexico**—E. W. Newkirk, New York City, let contract building 1-story, 100 x 140 ft., rein.-con. garage and machine shop, on 3rd and Heffernan Sts., to Jasper Travers, Calexico. About $25,000. Motor Service Co., lessee. Noted Apr. 17 under C. R. Rockwood.

★**Cal., Camarillo**—Camarillo Canning Co. let contract building 1 story, 60 x 200 ft., timber cannery, rein.-con. flooring, concrete foundation, to C. F. Locke, Alhambra. About $50,000. Noted Mar. 20.

★**Cal., Clovis**—See "Fresno."

★**Cal., Culver City**—H. Lehrman Studios let contract building timber film manufacturing plant, concrete foundation, on 10 acre site, to Milwaukee Bldg. Co., 316 Wright & Callender Bldg., Los Angeles. About $75,000.

★**Cal., Del Rey**—See "Fresno."

★**Cal., Dinuba**—See "Fresno."

★**Cal., Fowler**—See "Fresno."

★**Cal., Fresno**—California Associated Raisin Co., Holland Bldg., let contract for new plants and alterations to existing ones to Trewhitt-Shields Co., Powell Bldg., cost plus percentage basis. Plans include building 3 story, 80 x 80 ft. to 140 x 320 ft. rein.-con. and brick warehouses at Selma, Parlier, Kingsburg, Del Rey, Monmouth and Fowler; stemming plant here and additions to packing plants at Hanford, Aroma, Dinuba, Reedley, Sanger and Clovis. Noted Mar. 20.

★**Cal., Hanford**—See "Fresno."

★**Cal., Kingsburg**—See "Fresno."

★**Cal., Monmouth**—See "Fresno."

★**Cal., Parlier**—See "Fresno."

★**Cal., Reedley**—See "Fresno."

★**Cal., San Diego**—Spreckles Securities Co., Union Bldg., let contract building 1 story, 75 x 150 ft., concrete and brick garage and shop, at 507 West Bway., to B. M. Brooker, 4034 Ibis St. About $25,000.

★**Cal., Sanger**—See "Fresno."

★**Cal., Selma**—See "Fresno."

★**Ont., Sydenham**—Dept. Pub. Wks., Ottawa, let contract for power house, heating system, etc., at Sydenham Military Hospital here, to W. H. Harvey, Kingston. About $65,000. Noted Mar. 13.

★**B. C., Victoria**—Harbor & Marine Co. let contract building shipbuilding plant to S. Cameron, Victoria. Plans include plate, shop, furnace shop, frame bending shop, saw mill, offices, ways, etc.

Buildings

PROPOSED WORK

Mass., Brookline (Boston P. O.)—Theatre—Druker Rudnick Co., Harvard St., having plans prepared by Blackall, Clapp & Whittemore, archts., 20 Beacon St., Boston, for 2 story, 80 x 120 ft. brick and concrete, on Harvard St. About $250,000.

Mass., Greenfield—Home and Clubhouse—I. O. O. F., Pocumptuck Lodge, plans to build home and clubhouse on Federal St. Cost will exceed $50,000.

Mass., Holyoke—Church—Second Congregational Church Society receives bids about June building 80 x 120 x 175 ft. brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on Appleton and Maple Sts., to replace one recently destroyed by fire. About $500,000. G. P. B. Alderman & Bro., 437 High St., archts. Noted Apr. 3.

Mass., Lowell—Auditorium—City plans to issue $1,000,000 bonds to build memorial auditorium for soldiers and sailors. P. D. Thompson, mayor. Noted Jan. 16.

Mass., Pittsfield—Hall—Comrs. Berkshire Co. plan to build 2-story 50 x 80 ft. brick and concrete, hall of records, rein.-con. flooring, concrete foundation. About $100,000. J. M. Vance, Main St., archt.

Mass., Pittsfield—Police Station—City plans to build police station. About $50,000.

Mass., Williamstown—Library—Williams College had plans prepared by Cram & Ferguson, archts., 20 Beacon St., Boston, for 2 story brick, on campus. About $150,000.

R. I., Thornton—School—Johnston Twp. School Bd. having plans prepared by Hoppin & Field, archts., 32 Westminster St., Providence, building 2-story, 80 x 150 ft. fireproof, rein.-con. flooring, concrete foundation, here. About $120,000. S. K. Luther, Thornton, clk. Noted May 1.

R. I., Wakefield—Theatre—Plans are out for figures for 2-story, 52 x 75 ft. concrete, rein.-con. flooring, concrete foundation, for Misses Miller, c/o H. A. Lewis, archt., 75 Westminster St., Providence. About $50,000.

R. I., Woonsocket—Theatre—W. F. Fontaine, archt., 285 Main St., receives bids about May 15, building 2 story, 60 x 100 ft. brick, concrete foundation, on Cumberland St., for Social Amusement Co., 11 Cumberland St. About $60,000. Noted Mar. 13.

Conn., Bridgeport—Business and Theatre—D. Feuer, Water St., plans to build fireproof theatre and 5 story business building at 260-270 State St. About $600,000.

Conn., Bridgeport — Hospital — Galen Corp., 810 Myrtle Ave., plans to build addition to hospital. About $50,000.

Conn., Hartford—Bath House—City having plans prepared by E. T. Wiley, archt., 75 Pratt St., for bath house on Front St. Address P. A. Mason, supt. pub. bldgs. com. Noted Apr. 10.

Conn., Thomaston—Business and Theatre—A. J. Donovan, Main St., plans to construct theatre and business building on Main St. About $50,000.

N. Y., Astoria—Theatre—Glynne & Ward Alhambra Theatre, Knickerbocker Ave. and Halsey St., Brooklyn, having plans prepared by T. Lamb, archt., 644 8th Ave., New York City, building 2 story brick and steel, brick foundation, on Grand and Steinway Aves., here. About $400,000.

N. Y., Brooklyn—Hospital—Beth Moses Hospital, Hart St. and Stuyvesant Ave., soon receives bids building 5 story, 90 x 100 ft. brick and steel, brick foundation. About $350,000. H. J. Murick, 957 Bway., archt. Noted Mar. 20.

N. Y., Brooklyn—Hospital—Maternity Hospital Society, 1666 Pitkin Ave., having revised plans prepared by Cohn Bros., archts., 361 Stone Ave., building 3 story, 50 x 80 ft. brick and steel, brick foundation, on Howard and Dumont Aves. About $75,000.

N. Y., Brooklyn—Theatre—I. Birnbaum, 303 Oakland Ave., having plans prepared by G. Erda, archt., 826 Manhattan Ave., building 1 story, 25 x 200 ft. brick and steel, brick foundation, on Manhattan and Norman Aves. About $65,000.

N. Y., Brooklyn—Theatre—Miller-Weiss Co., c/o Shampan & Shampan, archts., 50 Court St., soon lets contract building 1 story, 75 x 100 ft. brick and steel, concrete foundation, on Manhattan Ave. and Eagle St. About $80,000. Noted Mar. 27.

N. Y., Hornell—Hospital—Bethesda Hospital, North Hornell, plans to build Roosevelt Memorial Hospital here. About $200,000. Address L. S. Alger, Hornell.

N. Y., Mt. Vernon—Church—Mt. Vernon Baptist congregation plans to build 1-story church. About $150,000. W. F. Tilton, chn. bldg. com. H. W. Jones, 739 Metropolitan Bank Bldg., Minneapolis, Minn., archt.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., had plans prepared by McKenzie, Voorhees & Gmelin, archts., 1123 Bway., building 4 story, 103 x 115 ft. brick and steel, concrete foundation, on 167th St. and Grand View Pl. About $391,000.

N. Y., New York—Hotel—Beadleston Realty Co., c/o Wallis & Goodwilbie, archts., 56 West 45th St., soon lets contract building 7 story brick and steel, on East 58th St. and 5th Ave. About $75,000.

N. Y., New York—Hotel—Park Realty Co., 151 West 42nd St., having plans prepared by G. E. Blum, archt., 505 5th Ave., building 14 story, 25 x 100 ft. brick and steel, brick foundation, on 5th Ave. and 78th St. About $250,000.

Buildings (Continued)

N. Y., New York—Institute—League for Political Educ., 15 West 44th St., having plans prepared by McKimm, Mead & White, archts., 101 Park Ave., building 5 story, 100 x 125 ft. brick and steel, concrete foundation, on 43rd St. and Bway. About $150,000.

N. Y., New York—Office—D. L. Elliman & Co., 15-17 East 49th St., having preliminary plans prepared by Cross & Cross, archts., 681 5th Ave., building 10 story, 34 x 100 ft. brick and steel, brick foundation, on 49th St. between 5th and Madison Aves. About $150,000.

N. Y., New York—Synagogue—J. M. Felson, archt., 1133 Bway., receives bids about May 15, building 3 story, 50 x 100 ft. brick and steel, brick foundation, on 177th St. and Bway., for Temple Gate of Hope, 130 Wadsworth Ave. About $50,000. Noted Apr. 10.

N. Y., New York—Theatre—B. S. Moss, 729 7th Ave., had plans prepared by De Rosa & Pereira, archts., 110 West 40th St., building 2-story, 125 x 150 ft. brick and steel, brick foundation, on Prospect Ave. and 161st St. About $600,000.

N. Y., Pelham—High School—Bd. Educ. having preliminary sketches prepared by Tooker & Marsh, archts., 101 Park Ave., New York City, building 2 story, 168 x 171 ft brick and steel, brick foundation. About $115,000. T. J. James, pres.

N. Y., Wende (Millgrove P. O.)—Penitentiary—Erie Co. (Buffalo) having preliminary plans prepared by C. E. Speich and J. Walker, archts., 575 Ellicott Sq., Buffalo, building 2½ story, 224 x 550 ft. fireproof penitentiary rein.-con. flooring, concrete foundation, on Alden Co. Farm site. Plans include almshouse, dormitories, chapel and administration building. About $800,000.

N. J., Bayonne—Club—Knights of Columbus, 669 Ave. C, plan to build 3 story brick clubhouse. About $200,000.

N. J., Bayonne—School—Bd. Educ. plans to build school to replace P. S. No. 4. About $250,000.

N. J., East Orange—School—Bd. Educ. is receiving competitive sketches for building school. About $150,000.

N. J., Jersey City—Schools—City receives bids in June building schools Nos. 6, 23 and 37 in Greenville Sect. About $2,500,000.

N. J., Jersey City—Synagogue—Sons of Israel congregation plans to build synagogue on Grove St. About $70,000.

N. J., Long Branch—Library—Boring & Tilton, archts., 52 Vanderbilt Ave., New York City, receives bids about May 12, building 1-story, 52 x 65 ft., brick and steel, brick foundation, for Long Branch Library. About $70,000.

Pa., Erie—Office—Erie Malleable Iron Co., 12th and Cherry Sts., having plans prepared by Simons, Brittain & English, archts., Oliver Bldg., Pittsburgh, building 4-story, 40 x 63 ft. fireproof, rein.-con. flooring, concrete foundation. About $60,000. Address architect.

Del., Wilmington—Library—Wilmington Free Institute soon receives bids building 2 story, 90 x 200 ft., steel and brick, brick foundation. About $400,000. Boring & Tilton, 52 Vanderbilt Ave., New York City, archts. Noted Nov. 28.

D. C., Wash.—Bank—Holmes & Winslow, archts., 110 West 40th St., New York City, soon let contract building 1 story, 25 x 139 ft., brick and steel, brick foundation, on 15th and I Sts., for Liberty Savings Bank, 1410 New York Ave., N. W. About $100,000.

Fla., Daytona—Hall—City Comrs. soon receive bids for brick and stone hall. About $50,000. S. H. Cove and J. Espedahl, Daytona, archts.

O., Akron—Restaurant, etc.—E. M. Leatherman, State Bank Bldg., soon receives bids building 3 story, 30 x 165 ft., steel and brick, concrete foundation, on South Main St. About $50,000. Henry & Murphy, 2nd Natl. Bank, archts.

O., Cleveland—Theatre and Commercial—Shaw-Hayden Amusement Co. soon receives bids building 3 story, concrete, steel and brick, on Shaw and Hayden Aves. About $100,000. W. Norris, pres. W. S. Ferguson Co., 1900 Euclid Bldg., archts.

O., Columbus—Business—H. J. Schwartz, North 4th St., plans to build 2 story, 90 x 96 ft., rein.-con. and brick, on East Broad St. About $100,000. Richards, McCarty & Bulford, Hartman Bldg., archts.

O., Dayton—Salesroom—F. B. Heathman Co., 220 West 3rd St., plans to build 2 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, on West 2nd St. About $100,000.

O., Kent—Hotel—Kent Hotel Co. plans to build hotel. About $150,000. B. M. Mason, pres.

Mich., Detroit—Church—North Woodward Methodist Episcopal congregation, c/o W. E. N. Hunter, archt., 1306 Chamber Commerce, having plans prepared building 2-story, 180 x 250 ft. brick, steel and stone, concrete foundation, on Woodward Ave. About $500,000.

Mich., Pontiac—School—City election May 12, to vote on $1,000,000 bonds to build two 16 room and one 24 room schools, also 2 additions to present high school.

Ill., East St. Louis—Bank—Illinois State Bank, Missouri Ave., plans to build 25 x 120 ft. addition. Cost to exceed $50,000.

Wis., Kenosha—School—White, White & White, archts., Pub. Serv. Bldg., soon receives bids building 2-story, 56 x 68 ft. fireproof, rein.-con. flooring, concrete foundation, on Division St., for St. Casimir's congregation. About $80,000.

Ia., Ames—Library and Armory—State College soon receives bids building 4 story library on campus, cost, $300,000; 3 story armory, $200,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Ia., Jefferson—School—Bd. Educ. rejected bids received Apr. 9, building school. Noted Mar. 27.

Minn., Buhl—High School—Bd. Educ. St. Louis Co. Dist No. 35, having plans prepared by A. W. Kerr, archt., 5 Amer. Exch. Bldg., Virginia, building 3-story rein.-con. and brick, rein.-con. flooring, concrete foundation on Chestnut St. About $250,000.

Minn., Fergus Falls—Dormitory—State Bd. Control, St. Paul, having plans prepared by C. H. Johnson, archt., 715 Capital Bank Bldg., St. Paul, building rein.-con. and brick, here. About $50,000.

Minn., Hastings—Dormitory—State Bd. Control, St. Paul, soon receives bids building 50 x 120 ft., rein.-con. and brick. About $60,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Minneapolis—Club—Minneapolis Steel & Mchy Co., Minnehaha Ave. and 29th St., plans to build 2-story 70 x 100 ft., brick, on 27th Ave., S. About $70,000.

Minn., Minneapolis—School—Bd. Educ. soon receives bids building 61 x 92 ft. rein.-con. and brick addition to George Bancroft School on 14th Ave., S., and 38th St. About $85,000. Bureau Bldgs., Div., Design & Inspection of Business Supt's Depts., Bd. Educ., archts.

Minn., Minneapolis—School—Bd. Educ. soon receives bids building 63 x 116 ft. rein.-con. and brick addition to Francis E. Willard School on Queen and 16th Ave., N. About $90,000. Bureau Bldgs., Div. Design & Inspection of Business Supt's. Dept., Bd. Educ., archts.

Minn., St. Hilaire—School—Bd. Educ. plans to build 2-story, 57 x 90 ft. About $50,000. Dund & Dunham, 512 Essex Bldg., Minneapolis, archts.

Minn., St. Peter—Dormitory—State Bd. Control, St. Paul, soon receives bids building 2 story, 45 x 140 ft., rein.-con. and brick, here. About $50,000. C. H. Johnson, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Wanamingo—School—City having plans prepared by Magney & Tusler, archts., Builders' Exch., Minneapolis, building 2 story, 58 x 93 ft., brick. About $50,000. A. O. Berg, clk.

S. D., Rapid City—Church—J. R. Sharp, secy. Methodist Episcopal Church, receives bids about May 12, building 1 story, 50 x 100 ft. brick and rein.-con. About $55,000. Edwins & Edwins, 911 North West Band Bldg., archts.

N. D., Dickinson—Armory—City election May 13, to vote on $50,000 bonds to build armory.

N. D., Dunseith—Refrectory—State Legislature, Bismarck, appropriated $100,000 bonds to build refrectory at Tubercular Sanitarium here. W. F. Kurke, Fargo, archt.

N. D., Grafton—Dormitory—State Legislature, Bismarck, appropriated $100,000 bonds to build dormitory at School of Feeble Minded, here. W. F. Kurke, Fargo, archt.

N. D., Jamestown—Hospital—State Legislature, Bismarck, appropriated $150,000 bonds to build 150 x 150 ft. addition to State Hospital for Insane, here. W. M. Hotchkiss, supt. W. F. Kurke, Fargo, archt.

N. D., Valley City—Temple—Masonic Society having plans prepared for temple. About $75,000.

N. D., Williston — Theatre — Orpheum Theater Co. plans to build 37 x 140 ft. About $50,000.

Mont., Lewistown—Bakery—J. A. Robbins plans to build 1 story on Bway. and Dawes Sts. About $30,000.

Mo., Ozark—Court House—Christain Co. soon lets contract building 3 story, 91 x 91 ft., concrete and brick. About $100,000. H. H. Hohenschild, Oddfellows Bldg., St. Louis, archt.

Mo., St. Louis—Hotel—E. A. Ganss, 9 North 7th St., plans to build 6 story, 100 x 125 ft., on DeBaliviere and Waterman Sts. Cost to exceed $50,000.

Mo., St. Louis—Mercantile—G. Wuest, archt., wainwright Bldg., soon lets contract building 2 story, 28 x 128 ft., rein.-con., steel and brick, concrete foundation, at 208 North 7th St., for J. E. Kaime & Bros. Realty Co., De Menil Bldg. About $50,000.

Mo., St. Louis—Office—Essex Investment Co., Century Bldg., plans to build 80 x 100 ft., on 12th and Locust Sts. About $500,000.

Tex., San Antonio — Church — Trinity Methodist congregation, 1142 West Magnolia St., plans to build church on Huisatche and Grant Sts. About $50,000. H. C. Leonard, pastor.

Tex., San Antonio—Temple—Labor Organizations, 114½ South Alamo St., plans to build labor temple. Cost between $50,000 and $100,000. Bonds will be sold for project.

Ariz., Mesa—High School—High School Trustees plan election May 10, to vote on $100,000 bonds to build additions to high school. H. E. Matthews, principal.

Cal., Anaheim—Schools—School Trustees having plans prepared by T. C. Kistner, archt., Amer. Natl. Bank Bldg., San Diego, building 2 schools, 1 on Central School site other on site to be purchased on east side of town. Bonds will be voted for project.

Cal., Covina—Schools—School Trustees having plans prepared by J. C. Austin, archt., 1120 Baker-Detwiler Bldg., Los Angeles, for 2 schools, 1 to consist of 4 classrooms and auditorium, other 18 classrooms and manual training building. Bonds for $150,000 voted for project.

Cal., El Centro—Courthouse—Bd. Supervs. Imperial Co. plan to build courthouse. About $250,000.

Cal., Imperial—Schools—City election May 9 to vote on $90,000 bonds to build school. D. C. Gale, school trustee.

Cal., Norwalk—Hospital—State Bd. Control, Sacramento, appropriated $150,000 bonds to construct new building at hospital here. W. F. McClure, state engr.

Cal., Santa Monica—Schools—Bd. Educ. plans election soon to vote on $30,000 bonds to build concrete amphi-theater on high school grounds and $75,000 for brick addition to Washington and John Adams Schools. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, archts.

Cal., Tulare—Auditorium and City Hall—City voted $60,000 bonds to build auditorium and city hall. F. W. Eldridge, clk. Noted Mar. 6.

Cal., Tulare—Schools—City voted $90,000 bonds to build 2 schools. F. W. Eldridge, clk. Noted Mar. 6.

Cal., Ventura—School—State Bd. Control, Sacramento, appropriated $90,000 bonds to construct building at girls' reform school here. W. F. McClure, state engr.

Cal., Whittier—School—State Bd. Control, Sacramento, appropriated $64,000 bonds to construct building at boy's reform school here. W. F. McClure, state engr.

Que., Montreal—College—Jesuit Fathers of Loyola Sherbrooke St. W., plans to build college. W. J. Hingston, pastor. About $300,000.

Que., Montreal—Hippodrome—R. Wolston Syndicate, 603 McGill Bldg., had plans prepared for hippodrome, on La Salle and Letourneaut Sts., Maisonneuve. About $500,000.

Buildings (Continued)

Que., Quebec—Hotel—A. J. Peeland, Peeland Hotel, preparing plans for 7 story, steel and brick, concrete foundation, on John St. About $100,000.

Ont., Hamilton — Arena — Hamilton Hockey Club, plans to build 1 story, brick hockey and skating arena with artificial ice plant. About $200,000.

Ont., Kingston—Memorial Hall—Queens University plans to build concrete memorial hall, concrete foundation. About $100,000.

Ont., Ottawa — Restaurant — Bowles' Lunch, Ltd., 149 Yonge St., Toronto, plans to build restaurant, billard and pool rooms, on Rideau St., here. About $150,000.

Ont., Ridgeway — School — School Bd. plans to build brick and rein.-con. school, About $60,000. J. W. Marshall, inspector.

Ont., St. Catharines—School—A. E. Nicholson, archt., 46 Queen St., receives bids about May 18 building 2 story, brick, for School Bd. About $65,000.

Ont., Sudbury—School—Separate School Bd., having plans prepared by P. J. O'Gorman, archt., Sudbury, building 2 story, brick, on Notre Dame Ave. About $65,000.

Alta., Drumheller — Bank — Merchants Bank, St. James St., Montreal, Que., plans to build 50 x 60 ft., steel and brick, concrete foundation, on Main St., here. About $62,000.

BIDS DESIRED

Mass., Springfield—School—Until May 22, by city, building 3 story, brick, steel and concrete addition to Forrest Park School. About $180,000. B. H. Seabury, 21 Besse Pl., archt. Noted Feb. 20.

Conn., Waterbury—Church—Until May 15, by J. A. Jackson, archt., 1123 Bway., New York City, building 70 x 200 ft. limestone, terra cotta and granite, brick foundation, on East Main St., for Immaculate Conception congregation, 97 East Main St, About $100,000. Noted Mar. 6.

Pa., Chambersburg—Library—Until May 12, by Boring & Tilton, archts., 52 Vanderbilt Ave., New York City, building 1 story, 35 x 75 ft., brick and steel, for Croyle Free Library. About $65,000.

Ala., Birmingham—High School—Until May 17, by Bd. Educ., Jefferson Co., building 1 story, brick and stone, for Shades-Cahaba High School. About $50,000. D. O. Whilldin, Title Bldg., archt.

O., Franklin—School—Until May 15, by Bd. Educ. building 2 story, fireproof, rein.-con. flooring, concrete foundation. About $150,000. E. J. Mountstephen, 802 Union Bank Bldg., Dayton, archt. Noted Mar. 6.

Minn., Anoka — Administration — Until June 15, by State Bd. Control, St. Paul, constructing 2 story, 45 x 140 ft., rein.-con. and brick administration building at state asylum here. About $80,000 C. H. Johnson, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Faribault—Dormitory—Until May 13, by State Bd. Control, St. Paul, building 2 story, 45 x 132 ft. rein.-con. and brick here. About $75,000. C. H. Johnson, 715 Capital Bank Bldg., St. Paul, archt. Noted Apr. 24.

Minn., Fergus Falls — Hospital — Until May 10, by State Bd. Control, St. Paul, building 2 story, 45 x 120 ft., rein.-con. and brick. About $50,000. C. H. Johnson, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Minneapolis—Office—See "Industrial Works."

Minn., Rochester—Hospital—Until June 1, by State Bd. Control, St. Paul, building 2 story, 45 x 140 ft., rein.-con and brick here. About $50,000. C. H. Johnson, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Round Lake—School—Until May 16, by B. C. Benkman, clk. bd. educ., building brick and tile, concrete foundation. About $54,000. G. Pass & Son, Mankato, archts. Noted Mar. 6.

Minn., St. Cloud—Until June 1, by Granite City Investment Co. building 5 story, 120 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Main St. About $300,000. Holstead & Sullivan, Palladie Bldg., Duluth, archts.

Cal., Los Angeles—Until May 21, by Bd. Educ., 730 Security Bldg., building brick school on Nevin Ave., to include 3 buildings, rein.-con. flooring and concrete foundation. About $115,000. J. C. Austin, 1125 Baker-Detwiler Bldg., archt. Noted Feb. 27.

Que., Montreal—Office—Until May 15, by Great West Life Assurance Co., 160 St. James St., building 5 story, rein.-con. and brick, concrete foundation, on MacGill St. About $350,000. D. J. Spence, 246 Beaver Hall Hill, archt.

Que., Montreal—Synagogue—Until June 1, by B. Goldberg, 83 Craig St. W., building 91 x 97 ft. synagogue for Beth Nai Jacob congregation, on Esplanade St. About $260,000. C. Duforth, 195 St. Catherine St., E., archt. Noted Aug. 8.

Que., Montreal—Theatre—Until June 1, by Gaiety Theatre Co., St. Urbain St., building concrete and steel, on St. Catherine St. E. About $60,000.

Ont., Guelph—Dormitory—Until May 17, by H. F. McNaughton, secy. dept. pub. wks., Toronto, building 3 story boys' dormitory, brick, for Ontario Agricultural College, College Heights. About $150,000. F. R. Heakes, c/o Dept. Pub. Wks., Parliament Bldg., Toronto, archt. Noted Apr. 10.

Ont., Toronto—High School—Until May 30, by C. J. Reade, archt., 137-138 Confederation Life Bldg., building 2 story, brick addition to school on Jarvis St., for Separate School Bd., 67 Bond St. About $80,000.

B. C., Trail—Bank—Until May 12, by Bank of Montreal, St. James St., Montreal, building 2 story, 40 x 60 ft. on Main St., here. About $50,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Bridgeport**—Business and Loft—P. W. Wren, 634 Water St., let contract building 4 story, brick and steel, on Water St., to W. Martin & Son, 164 State St. About $50,000. Noted Nov. 14.

★**Conn., New Haven**—Business—Beecher & Bennett, Inc., 280 Elm St., let contract building 2 story, 70 x 100 ft. brick and timber, rein.-con. flooring, concrete foundation, on Bway and Howe St., to Larkin-Carey Co., 166 Brewery St. About $60,000. Noted May 1.

★**Conn., West Hartford** (Hartford P. O.)—Hotel—Sleeper & Parisi, c/o Marchetti & D'Avino, archts., 756 Main St., Hartford, will build 4 story, 78 x 136 ft. brick, concrete and steel, concrete foundation, on Farmington Ave. here. About $130,000. Work will be done by day labor.

★**N. Y., New York**—Bank—Dry Dock Savings Bank, 341 Bowery, let contract building 1 story, 30 x 75 ft. brick and steel extension to bank, brick foundation, to Hoggson Bros., 485 5th Ave. About $70,000. Cost plus percentage basis.

★**N. Y., New York**—Bank—Natl. City Bank, 55 Wall St., will alter exterior and interior of bank, brick and steel. About $55,000. Work will be done by day labor.

★**N. Y., New York**—Office—Atlantic & Pacific Steamship Co., 7 Hanover Sq., let contract building 4 story, 100 x 125 ft. brick and steel, brick foundation, at 8-10-17 Hanover Sq., to Whitney Co., 101 Park Ave.

★**N. Y., New York**—Office, etc.—Natl. Assn. Bldg. Corp., 25 West 44th St., let contract building 20 story, 142 x 200 ft., brick and steel office building, brick foundation, at 27 West 43rd St. through to 26-28 West 44th St., to F. T. Ley, 19 West 44th St. About $800,000. Cost plus percentage basis. Noted Apr. 24.

N. Y., Rome—School—Bd. Educ. received bids Apr. 22, building 2 story, 100 x 125, ft. brick, on Linden St., from E. H. Owens, 114 Front St., $145,593; T. H. McHale & Son, $168,932; A. E. Brase Constr. Co., $177,528. Noted Mar. 27.

★**N. J. Jersey City**—Hospital—City let contracts building addition, improving and installing new equipment in city hospital as follows: W. H. & T. W. Cane, Baldwin Ave., masonry, carpentry and iron work, $963,145; W. W. Fairier, Montgomery St., plumbing work, $136,603; J. H. Cooney, 210 North 4th St., heating and ventilating, $199,287; Hoffman & Elias, 549 Columbus Ave., New York City, $82,400. Noted May 1.

★**Pa., Pittsburgh**—Office—H. G. Morgan, Wabash, Bldg., will build 6 story, 25 x 100 ft., brick and steel office building, concrete foundation, on Forbes St. About $50,000. Work will be done by day labor.

★**Md., Annapolis** — Bank — Annapolis Banking & Trust Co., let contract remodeling 2 story, 45 x 110 ft., rein.-con., steel and brick, on Church, Circle and Main Sts., to J. J. Stehle, 170 West St., Annapolis. Cost plus percentage basis.

★**Md., Baltimore**—School—Blessed Sacrament congregation, York Rd. and Springdale Ave., let general contract, excepting stone work, for 2 story, 60 x 100 ft., rein.-con. and brick, concrete foundation, on York Rd. and Springdale Ave., to J. J. Moylan, 538 North Calvert St.; stone work, to R. N. McCulloh & Co., 120 East Lexington St. About $75,000. Noted Apr. 17.

★**Md., Baltimore**—Store—H. S. Block, 1014 Morton St., let contract building 1 story, 45 x 100 ft., brick and stone, brick and concrete foundation, on Cathedral and Eager Sts., to Consolidated Eng. Co., 243 Calvert Bldg. About $50,000.

Md., Texas—Almhouse—Comrs. Baltimore Co., Towson, received lowest 3 bids building 2½ story, 44 x 90 ft. stone and brick, rein.-con. flooring, from B. F. Bennett Bldg. Co., 123 South Howard St.; Hicks, Tase & Norris, 106 West Madison St., Consolidated Eng. Co., 243 Calvert Bldg., contractors, all of Baltimore. About $85,000. Noted Feb. 27.

★**O., Akron**—Theatre and Business—T Krumeich, 1168 East Market St., let contract building 3 story, 50 x 53 x 94 ft., steel and brick, rein.-con. flooring, concrete foundation, at 1169 East Market St., to Clemmer-Johnson Co., 19 I. O. O. F. Bldg. About $150,000.

★**O., West Unity**—School—Bd. Educ let contract building 2 story, 110 x 135 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, to Winters & Wilkson, Dublin. About $107,000. Noted Feb. 27.

★**Mich., Detroit**—Theatre, etc.—Woodward Theatres Co., 306 Breitmeyer Bldg., let contract building 2-story, 70 x 160 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 158-164 Gratiot Ave., to F. Farrington Co., 202 Scherer Bldg. About $75,000. Noted Mar. 20.

★**Ill., Austin** (Chicago P. O.)—Church—Kloeckner Memorial Evangelical congregation, c/o W. C. Jones, archt., 30 North La Salle St., Chicago, let contract building 1-story, 66 x 106 ft. brick and timber, concrete foundation, at 120 North Central Ave., here, to W. Goetzinger, 3822 Lowe Ave., Chicago. About $75,000. Noted Apr. 10.

★**Wis., Port Washington**—Bank—Port Washington State Bank will remodel 2 buildings into bank, brick and Bedford stone. About $60,000. Work will be done by day labor. Noted Apr. 24.

★**Wis., Sheboygan** — Church — Catholic congregation, c/o N. Lorenz, Sheboygan, let contract building 1-story, 90 x 180 ft. on Main St., to Raybeck & Putz, Sheboygan.

★**Minn., Austin**—Theatre—Cozy Theatre Co. will build 60 x 135 ft., concrete and brick. About $55,000. Work will be done by day labor. Noted Apr. 10.

★**Mo., St. Louis**—Hotel—University Investment Co., La Salle Bldg., will build 5-story, 110 x 130 ft. concrete, steel and brick, concrete foundation, at 4471 Olive St. About $160,000. Work will be done by day labor.

★**Mo., St. Louis**—Loft—Kennett Estate, 4th and Locust Sts., let contract converting 10 story, 100 x 150 ft., concrete, steel and brick office building at 501-11 Locust St., into loft building, to Hall & Mackay, Chemical Bldg. About $50,000.

★**Tex., Alpine**—School—State Normal School Bd. let contract building 2-story, 60 x 265 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, to J. Wattinger, 214 Archway St., Austin, $130,000.

Cal., Los Angeles — Gymnasium — Bd. Educ., Security Bldg., received bids building 2-story, 103 x 113 ft., brick, concrete foundation, at Polytechnic High School, from J. B. Harris, 218 South Gramercy Pl., $61,000; J. V. McNeil, H. W. Hellman Bldg., $64,400; K. R. Bradley, 1824 East 15th St., $64,910. Noted Feb. 27.

★**Que., Montreal**—School—School Comn. St. Bernadin de Montreal, let contract building 3 story, 60 x 125 ft. stone and brick, to Filion & Freres, 2419 St. Denis St. About $78,500.

★**Ont., Kingston**—Educational Block—Dept. Pub. Wks., Ottawa, let contract building educational block at Royal Military College, here, to Pigott and Healy Constr. Co., 36 James St. S., Hamilton. About $323,000. Noted Mar. 6.

★**Ont., Ottawa**—Store—H. J. Daly Co., Ltd., Connaught Pl., let contract building 4 story, 66 x 198 ft., rein.-con. and brick, to G. Graves, Booth Bldg. About $350,000. Noted Apr. 17.

★**B. C., Victoria**—Office—See "Industrial Works."

Federal Government Work

PROPOSED WORK

Mass., Chatham—Roads—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3884. About $10,000.

N. Y., New York—Fence—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build at Marginal Parkway; Spec. 3888. About $15,000.

N. J., Cape May—Roads and Walks—more, superv. archt., treas. dept., Wash., D. C., plans to build at Section Base, here; Spec. 3881. About $40,000.

Pa., Phila.—Repairing Roof—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to repair roof of bldg. No. 7 here; Spec. 3885. About $4500.

D. C., Wash.—Fuel Oil—Emergency Fleet Corp., Wash., will receive bids for furnishing maximum of 5,400,000 bbls. or minimum of 3,600,000 bbls. bunker fuel oil, to be delivered at Boston, Phila., Galveston, Cristobal and Balboa.

Va., Hampton Roads—Air and Water Systems—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install high pressure air and water systems, here; Spec. 3883. About $43,000.

Va., Hampton Roads—Revolving Platform—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build at Naval Air Sta., here; Spec. 3880. About $7500.

La., New Orleans—Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install mechanical and electrical equipment at power plant, here; Spec. 3882.

Tex., El Paso—Irrigation, etc.—U. S. Recl. Serv. making preliminary surveys in Big Bend Dist., Rio Grande Valley, for irrigation system to irrigate approximately 3,000,000 acres and for 3 dams, one in Colorado Canyon, one near Boquillas mine in Mexico, and other at Mariscal Pass. V. E. Lieb, El Paso, engr.

Tex., Galveston—Track—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build spur track here; Spec. 3887. About $12,800.

Tex., Gilmer—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., rejected bids received Apr. 23, building here. Noted May 1.

BIDS DESIRED

Conn., New London—Dredging—Until May 28, by U. S. Engr. Office, New London, dredging in Greenwich Harbor. Advertised in this issue.

Pa., Phila.—Steam Distributing System—Until May 26, by Local Navy Yard, building steam distributing system here. Spec. 3878. About $225,000; $20 deposit required for plans and spec. Noted May 1.

Pa., Phila.—Tunnel—Until May 26, by Local Navy Yard, building tunnel for pipe, here; Spec. 3879. About $110,000; $20 deposit required for plans and spec. Noted May 1.

D. C. Wash.—Bridge—Until May 26, by C. Sells, comr. Indian Affairs, Dept. Interior, Wash., building bridge over Santa Clara River, Shivwits Indian Reservation, Utah.

D. C., Wash.—Grading—Until May 15, by Dist. Comrs., Dist. Bldg., grading 4500 cu. yd. streets.

D. C., Wash.—Paving Material—Until May 21, by Dist. Comrs., Dist. Bldg., furnishing asphalt paving blocks, repressed, vitr. sewer invert bricks, castings, asphalt paving cement, Portland cement, road oils, tars and bituminous patching material, fuel oil, paving pitch and terra cotta sewer pipe during fiscal year beginning July 1, 1919 and ending June 30, 1920.

D. C., Wash.—Paving—Until May 21, by Dist. Comrs., Dist. Bldg., paving various streets and avenues with sheet asphalt. Advertised in this issue.

Va., Hampton Roads—Medical Storage Building—Until May 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3462. About $40,000; $10 deposit required for plans and spec. Noted Apr. 3.

Va., Hampton Roads—Motor Generator Sets and Switchboard—Until May 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing at Submarine Base, here; Spec. 3872. About $60,000; $10 deposit required on plans and spec. Noted Apr. 24.

W. Va., South Charleston—Cranes—Until May 19 (change of date) by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing 2 electric traveling cranes, here; Spec. 3670. About $1,805,000; $10 deposit required for plans and spec. Noted May 1.

Ind., Elkhart—Post Office—Until May 28, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., altering post office here.

Mont., Kalispell—Road Work—Until May 15, by Bur. Pub. Rds., Missoula, building 29.8 mi. North Fork of Flathead Forest Rd., 10 ft. wide, involving 101 acres clearing, 104,000 cu.yd. earth and 2860 cu.yd. rock excav., four 30-ft. span, one 60-ft., one 70-ft. and fourteen 10-24-ft. span bridges. C. H. Purcell, 628 Post Office Bldg., Portland, Ore., engr.

Tex., Galveston—Air Station—Until June 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., developing Naval Air Sta., here; Spec. 3864. About $758,000; $100 deposit required for plans and spec. Noted Apr. 17.

Idaho, Grangeville—Road Work—Until May 22, by Bureau Pub. Rds., Missoula, Mont., grading 23 mi. Kooskia-Lowell National Forest Rd., 12 ft. wide, involving 60 acres clearing, 89,000 cu.yd. earth, 25,000 cu.yd. rock excav., and twenty 8-20 ft. span bridges. Noted Mar. 27.

Idaho, Hailey—Road Work—Until May 15, by B. J. Finch, dist. engr., Bur. Pb. Rds., U. S. Dept. of Agriculture, 406 Colonial Hudson Bldg., Ogden, Utah, building and improving 10 mi. National Forest Rd., Sawtooth National Forest, involving 4100 cu.yd. rock excav., 38,000 cu.yd. excav., etc.

Cal., Ft. Bidwell—School—Until May 27, by C. Sells, comr. Indian Affairs, Dept. Interior, Wash., D. C., building school here.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**Mass., Boston** — Electric Traveling cranes—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing 10-ton cranes for Bldg. No. 42B, to Pawling & Harneschfeger Co., 38th and National Ave., Milwaukee, Wis. $8780 (100 days); one 50-ton crane for bldg. No. 42B and one 20-ton crane for bldg. No. C., to Whiting Fdry. & Equipment Co., Harvey, Ill., $61,885. Noted Mar. 27.

N. Y., Brooklyn—Building—J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., received bids Apr. 30, altering public building; (1) work complete; (2) payment for old material not used, from R. H. Brown, 350 Fulton St., Brooklyn, (1) $21,306; (2) $2800; B. Knopp, 431 West 41st St., New York City, (1) $24,685; B. Diamond, 12 Bergen St., Brooklyn, (1) $25,728; (2) $275.

★**Pa., Erie**—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., let contract for alterations to post office, here, to E. B. Lee, 8400 East 9th St., $12,715. Noted Apr. 24.

Va., Hampton Roads—Additional Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids May 5, building at Naval Air Sta., Naval Operating Base, here; (1) work complete, from Post & McCord, 101 Park Ave., New York City, (1) $519,500, (230 days); (2) deduct $10,000; (3) add $27, deduct $20; (4) add $1, deduct $.50.

M. H. McCloskey, Jr., 1620 Thompson St., Phila., Pa., (1) $553,444, (230 days); (2) deduct $15,000; (3) add $26, deduct $10; (4) add $1, deduct $.02.

Consolidated Eng. Co., No. 243 Calvert Bldg., Baltimore, Md., (1) $561,000; (2) deduct $19,000; (3) add $13; deduct $12; (4) add $.45, deduct $.05. Noted Apr. 24.

★**Va., Hampton Roads**—Storehouse—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building 6-story rein.-con. storehouse, at Naval Operating Base, here, to G. E. Wynne, 82 Home Life Bldg., Wash., D. C., (1) and (14), $710,500, (210 days). Noted May 1.

★**Va., Hampton Roads**—Storehouse—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building 3-story, steel frame aircraft storehouse, at Naval Operating Base, here, to H. F. Friestedt, 327 La Salle St., Chicago, Ill., (1) and (12), $1,085,678. (210 days). Noted May 1.

★**Va., Hampton Roads**—Storehouse—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building 1-story, rein.-con. storehouse, here, to H. F. Friestedt, 327 South La Salle St., Chicago, Ill., $287,043 (230 days). Noted May 1.

★**Va., Norfolk**—Galvanizing Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building galvanizing plant, here, to W. Linker Co., 831 Cherry St., Phila., Pa., $119,000 (179 days). Noted Apr. 24.

Va., Quantico—Officers Quarters and Administration Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids May 5, building here, (1) work complete, from J. K. Turton Corp., 101 Park Ave., New York City, (1) $268,699, (100 days); (2) add $857.19; (3) add $1,039.

Hyde & Baxter, 711 13th St., N. W., Wash., D. C., (1) $284,460, (100 days); (2) $2,000.

E. G. Heflin, Law Bldg., Fredericksburg, Va., (1) $307,613, (100 days); (2) add $4200; (3) deduct $3,375. Noted May 1.

★**Ga., Brunswick** — Hangars — Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract completing 3 seaplane hangars and building 2 additional steel hangars, to Charleston Eng. & Contg. Co., 58 Broad St., Charleston, S. C., $69,702 (90 days). Noted Apr. 17.

★**Fla., Pensacola**—Concrete Road—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract completing concrete road, to J. Gerkins, 800 North Hayes St., $19,433 (69 days).

Fla., Pensacola—Sewer Discharge Pipe—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building at Naval Air Sta., here, (work complete), from Carroll Elec. Co., 714 12th St., N. W., Wash., D. C., $11,490 (120 days); Newport Contg. & Engs. Co., Silsby Bldg., Newport News, Va., $13,000; H. E. Fox Constr. Co., 81 East 125th St., New York City; $13,480 (90 days). Noted Apr. 17.

★**Mich., Saginaw**—Lookout Gallery—J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., let contract building lookout gallery in post office, here, to T. W. Gissell, 63 Rhode Island Ave., N. W., Wash., D. C., $1300. Noted Apr. 10.

★**Wis., Rhinelander**—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., let contract building post office, here, to W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn., $152,000. Noted Apr. 24.

★**Ia., Des Moines**—Conduit and Wiring System—J. A. Wetmore, superv. arch., Treas. Dept., Wash., D. C., let contract, to H. Andrea Electric Co., 135 Sycamore St., Milwaukee, Wis., $3000.

Miscellaneous

PROPOSED WORK

Docks, etc.—Milford, Conn.—Town plans to build dock and wharves.

Transmission Line—Antwerp, N. Y.—See "Waterworks."

Heating and Ventilating Systems — Geneseo, N. Y.—L. F. Pilcher, state archt., Capitol, Albany, soon receives bids for remodeling and building additions to heating and ventilating systems at Geneseo Normal School. About $60,000 available. Address J. V. Sturges, principal.

Transmission, etc.—Syracuse, N. Y.—New York State Rys. plans to expend $200,000 for transmission and trolley line changes, track repairs and street paving, here.

Bins—Warsaw, N. Y.—See "Bridges."

Tarvia, Screenings, etc.—Ebensburg, Pa.—Cambria Co. soon lets contract furnishing 1500 gal. Tarvia B, 1915 tons screenings and 1520 tons ballast.

Pier—Newport, Pa.—See "Streets and Roads."

Retaining Wall — Newport, Pa. — See "Streets and Roads."

Oil Tanks—Williston, N. D.—"See Industrial Works."

Transmission Lines—St. Louis, Mo.—See "Railways."

Dam, etc.—Searcy, Ark.—Arkansas Hydro-Electric Co., Heber Springs, had plans prepared by Dickinson & Watkins, engrs., Boyle Bldg., Little Rock, building 40 ft. concrete dam and spillway near here. Plans include power house and transmission lines. About $262,500.

Levee—Forney, Tex.—State Recl. Dept. Austin, plans to build levee and improve east fork Trinity River Project to be known as Levee Impvt. Dist. No. 6. Bonds for $60,000 voted for work. F. R. Lewis, Forney, engr.

Canal Equipment—Phoenix, Ariz.—See "Excavation and Dredging."

Crushed Rock — Portland, Ore. — Bd. Comrs. Multnomah Co., soon lets contract furnishing crushed rock in bunkers at Taylors Ferry Quarry, any classification required by Rd. Dept. of county. Bidders to pay for powder and labor, county to furnish engineer and keep machinery in running order, furnishing oil and grease. R. W. Hoyt, chn.

Miscellaneous (Continued)

Pier—Redondo Beach, Cal.—City plans to repair rein.-con. pleasure pier. Election will be held to vote on $40,000 bonds for project. Leeds & Barnard, Central Bldg., Los Angeles, engrs.

Pier—Santa Monica (Ocean Park P. O.), **Cal.**—C. J. Lick plans to extend Great Western pleasure pier 1500 ft. into ocean, rein.-con.

Harbor Improvements—Hamilton, Ont.—City plans to improve harbor and build bridge on Burlington Canal. About $20,000. C. W. Kirkpatrick, Hamilton, engr.

BIDS DESIRED

Masons' Materials—Jersey City, N. J.—Until May 13, by city, furnishing and delivering 6 months' supply of masons' materials to include cement, mortar, sand, etc.

Motor Truck, etc.—Millville, N. J.—City receiving bids furnishing 1 combination 2 in 1 chemical fire and hose gasoline motor truck, also 1 gasoline motor driven hook and ladder truck with nickel plated chemical tank. S. D. Bennett, dir. pub. safety; advertised in this issue.

Road Machinery—Harrisburg, Pa.—Until May 21, by State Highway Comm., Harrisburg, furnishing road machinery and equipment for maintenance work to include 12 jaw crushers from 9 x 15 in. to 9 x 18 in., mounted on 4 wheel truck, including 12-25 ton capacity wooden bin complete; twelve 18-20 hp. steam traction engine, with locomotive boiler; 48 standard 4 to 6 horse road machines from 2400-3000 lb. weight complete; thirty 3 wheel, 10-ton standard steam road rollers, double cylinder engine, locomotive boiler complete; 20 street sprinklers 400 gal. capacity, steel tank complete; 6 gasoline pumps 4 x 4 x 3 in. bore, 1½ in. suction and discharge; six 2 horse steel frame street sweepers; six 1¼ yd. capacity, 2 horse chip spreaders complete. L. S. Sadler, comr.

Crushed Slag, Paving Brick, etc.—Newcomer, Pa.—Until May 20, by H. Kisinger, controller Fayette Co., (Uniontown) furnishing and delivering 2950 tons crushed slag, 586,000 vitr. paving brick, 2200 tons sand and 3200 bbls. portland cement.

Road Rollers—Baltimore, Md.—Harvey Co., 113 South St., receiving bids furnishing 2 road rollers, 3 wheels, Buffalo-Pitts preferred.

Ore Stripping—Americus, Ga.—Aluminum Co. of America, 2400 Oliver Bldg., Pittsburgh, Pa., receiving bids for ore stripping, involving from 500,000 to 1,500,000 yd. material, 30 to 70 ft. thick. E. S. Nickes, ch. engr.; advertised in this issue.

Coal Handling Equipment—Toledo, O.—Until June 3, by D. H. Goodwillie, serv. dir., constructing and installing coal handling equipment at Bway Pumping Sta., consisting of 1 track hopper, coal crusher and elevating and conveying machinery; 1 suspended steel coal bunker with supports and 1 traveling weigh hopper. H. A. McClure, city engr.

Fill and Bulkhead—Astoria, Ore.—Until May 29, by Sanitary and Recl. Comn., building bulkhead, fill and rock work in Recl. and Impvt. Dist. No. 3. Work involves 779 brace piles and pile shoes, 2350 straight lumber piles, 35-40 ft. long, 697,620 ft. Wakefield sheeting, 53,325 ft. platform decking, 187,669 ft. lagging, 76,582 ft. walling, 24,147 ft. miscellaneous hardware, 1348 lb. 1 x 22 in., 18,750 lb. 1 x 24 in., 2746 lb. ¾ x 24 in., 3462 lb. ¾ x 30 in. bolts, 166 lb. 8 in. boat spikes, 80 lb. 8 in. galvanized spikes, 3636 cu.yd. rock rip rap, quarry refuse and screenings, 4901 cu.yd. one man rock, 1,285,201 cu.yd. fill. About $400,000. Former bids rejected. Noted Mar. 27.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Tank—Sanford, Me.—Goodall Worsted Co., let contract building 600,000 gal. rein.-con. fuel oil tank, to T. I. Ellis, 171 Westminister St., Providence, **R. I.**

★Pipe—Fall River, Mass.—City let contract furnishing 6-20 in. c.i. pipe for 1 year, to Borden & Remington Co., 115 Ann St., 67.5% and 68.5% off list price. Noted Apr. 17.

★Tank—Auburn, R. I.—Budlong Rose Co. let contract building 100,000 gal. circular concrete fuel oil tank, to T. I. Ellis, 171 Westminister St., Providence.

SEWAGE TREATMENT WORKS—CHICAGO, ILL.

Bids were received by J. McGillen, clk. sanitary dist., Apr. 24, building Des Plaines River sewage treatment works, Div. "A," from Leyden-Ortseifen Co., 53 West Jackson Blvd.; (B) James O. Heyworth, 606 South Michigan Ave.; (C) John W. Page, 189 West Madison St.; (D) Paschen Bros., 111 West Washington St., $414,959; (E) C. E. Carson Co., 155 North Clark St., $431,562; (F) Warner Constr. Co., 189 West Madison St., $446,419; (G) Hoeffer & Co., 133 West Washington St., $450,818; (H) Nash Bros., 10 South La Salle St., $539,358; (I) T. J. Forschner Contg. Co., 125th St. and Michigan Ave., $550,523. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
35,000 cu.yd. earth excavation	$2.20	$2.00	$2.49
1 cu.yd. rock excavation	3.00	3.00	3.00
5,000 sq.yd. macadam pavement	2.85	2.00	1.78
500 sq.yd. stone walks	2.00	1.25	.70
1,200 cu.yd. concrete, class "A"	16.00	17.00	18.00
5,800 cu.yd. concrete, class "B"	16.00	15.15	17.75
200 cu.yd. concrete, class "C"	15.00	13.00	14.10
600,000 lb. reinforcing steel	.04½	.06	.06
15,000 lb. miscellaneous steel	.12	.12	.10
35,000 lb. iron castings	.09	.12	.10
2,300 lin.ft. 6-in. water pipe	2.84	2.75	2.50
80,000 lb. cast iron pipe	.11½	.05	.05½
650 lin.ft. tile pipe, 8-in	2.88	1.00	1.40
1,200 lin.ft. tile pipe, 12-in	2.95	1.50	2.00
275 lin.ft. tile pipe, 30-in	7.47	6.00	4.40
2,000 lin.ft. tile underdrains	.80	.90	.60
Pump and blower house substructure (lump sum)	9,200.00	15,000.00	20,460.00
Tank equipment (lump sum)	34,000.00	40,000.00	36,757.00
Air piping (lump sum)	37,500.00	38,000.00	31,865.00
Supply, effluent and drain piping (lump sum)	30,700.00	32,000.00	24,599.00
Erection of equipment (lump sum)	4,000.00	7,500.00	7,000.00
3M. ft.b.m. sheeting	36.00	30.00	30.00
250 cu.yd. sand fill	3.00	3.00	3.50
25 inlet basins	50.00	70.00	25.00
43,000 lb. galvanizing cast-iron pipe	.03	.04	.04
Extended totals for Div. A	$384,281	$386,533	$404,834

Division C—structural steel (120,000 lb.)	$0.4396
Division N—traveling crane (lump sum)	3,500
Division O—pumping machinery (lump sum)	10,000
Division P—electrical equipment (lump sum)	22,500
Division R—blowers (lump sum)	22,795
Division V—sluice gates (lump sum)	6,700
Division W—Venturi meters (lump sum)	13,440
Extended totals, all divisions	$489,044

*J. W. Page only bidder on all sections.

Dam, etc, Scituate (North Scituate P. O.) **R. I.**—Water Supply Bd., City Hall, Providence, received bids Apr. 23, building (a) portions of main dam of Scituate Reservoir, Contr. 11, (b) 3.5 mi. earth road, 10 mi. westerly of Providence, Contr. 10, from Sperry Eng. & Contg. Co., 82 Church St., New Haven, Conn., (a) $164,577; (b) $53,925; Langthorn Co. Inc., New York City, (a) $181,430; Powers Bros., North Montello St., Brockton, Mass., (a) $183,341; Lundberg & Street, Brookline, Mass., (b) $53,450; L. D. Carcaia, Boston, Mass., (b) $57,425. Noted Apr. 17.

Frieght Shed—New York, N. Y.—L. Nixon, supt. pub. wks., Capitol, Albany, received lowest 3 bids building barge canal terminal freight shed on Pier 93, West 53rd St., North River, Contr. 218, from Donnell-Zane Co. Inc., 309 Bway., $44,799; A. E. Norton Inc., 105 West 40th St., $47,343; Harris Structural Steel Co., Inc., 1480 Bway., $47,646. Noted Apr. 3.

★Shed and Pier—New York, N. Y.—New York Dock Co., 44 Whitehall St., let contract building 1 story, 150 x 650 ft. brick, steel and rein.-con. shed and pier on East 23rd St., to Robins & Ripley Co., 50 Church St. About $450,000.

Road Material—Jersey City, N. J.—Hudson Co. Blvd. Comn., Court House, received bids furnishing crushed stone, (a) 50 yd. 1½ in., (b) 150 yd. ¾ in., (c) 1000 yd. ¾ in., (d) 1000 yd. screenings, from C. Kavanagh, Inc., 32nd St., Bayonne, (a) $2.95 per yd., (b) $3.05, (c) $3.15, (d) $2.95; Belmont Gurnee Stone Co., Gronton St., North Bergen, (a) $3.25, (b) $3.30, (c) $3.40, (d) $3.25; J Brady Sons, 551 Ave. A., Bayonne (a) $3.30, (b) $3.38, (c) $3.47, (d) $3.25; Standard Oil Co., Claremont Ave., 100,000 gal. asphaltic or other road oil in barrels at plant, $0.876 per gal., barrels per gallon, $0.650; U. S. Asphalt Refining Co., 90 West St., 100,000 gal. road binder in barrels, car lots, $0.096 gal., tank cars $0.74, 40,000 gal. cold patch road binder in barrels (car lots) $0.149; Texas Co., McAdoo Ave., 100,000 gal. in barrels at plant, $0.00825, in bulk at plant, $0.00425; Hedley Good Road Co., 26 South 15th St., Phila., 40,000 gal. cold patch binder in barrels at plant, $0.159, in tanks at plant, $0.1145, No. 1 Emulsion in barrels at plant, $0.186, in tanks at plant, $0.145; Barrett Co., 17 Battery Pl., New York City, 100,000 gal. Tama in bulk at plant, $0.10, 40,000 gal. Tama K. P., $0.12. Noted Apr. 24.

★Steel—Phila., Pa.—Dept. City Transit let contract furnishing and erecting in place 1500 tons steel for Frankford Elevated Ry., to Phoenix Bridge Co., Phoenixville. About $166,399. Noted May 1.

★Road Oil—Baltimore, Md.—Bd. Awards let contract furnishing 120,000 gal. asphalt road oil, to U. S. Refining Co., East Brooklyn. About $10,000. Noted Apr. 17.

Piers—Cleveland, O.—City received bids building two 250 ft. rein.-con. piers, from W. S. Newhall Co., Citizens Bldg., $34,618; Kelley-Demarest Co., 416 Amer. Trust Bldg., $47,607; Great Lakes Dock Co., Williamson Bldg., $48,140. Noted Mar. 20.

Road Material—Detroit, Mich.—Dept. Purchases & Supplies received bids furnishing (a) 3000 tons more or less petroleum asphalt, (1) in barrels, (2) tank cars; (b) 1500 tons refined natural lake asphalt, (1) Trinidad in barrels, (2) Bermudez in Barrels, (3) Saxite in barrels, (4) Burmudez in tanks, (c) 700 tons fluxing oil (petroleum residium) from G. W. Lamson, Chicago, (a1) $23.60, (a2) $18.60, (c) $.0654 per gal.; Sun Co., Brooklyn Ave. and Michigan Central R.R., (a1) $23.90, (a2) $21.90, (c) $17.20; Standard Oil Co., 1025 Scottem Ave., (a1) $26.30, (a2) $19.80, (c) $.0775 per gal.; Texas Co., 17 Battery Pl., New York City, (a1) $26.80, (a2) $17.75, (c) $18.23; U. S. Asphalt Refining Co., 90 West St., New York City, (a1) $27.54, (a2) $22.71; Saxite Co., (b1) $35., (b4) $30., (b3) $31.; Barber Asphalt Co., Dime Bank Bldg., (b1) $31.08, (b2) $40.98; Craig Oil Co., (c) $23.40; Sinclair Refining Co., 2261 East Grand Blvd., (c) $.0781 per gal.; Indian Refining Co., 1004 Hammond Bldg., (c) $.0832 per gal.

★Dam—Downieville, Cal.—Brandy City Mines will build dam 80 ft. high, 140 ft. long, at Bullard's Bar, to store water for hydraulic mining and generating electric power. Work will be done by day labor.

Subway—Los Angeles, Cal.—See "Streets and Roads."

★Vault Doors, etc.—Toronto, Ont.—Dept. Pub. Wks., Ottawa, let contract installing vault lining, doors and lockers, for Assistant Receivers General's office, to J. and J. Taylor, 145 Front St. E. About $25,687.

★Subway, Foundation, etc.—St. Boniface, Man.—Provencher Bridge Com. let contract building steel superstructure for Water St. subway, to Dominion Bridge Co., Ltd., Canada Bldg., Winnipeg, $11,965; substructure, to P. C. Petersen, Winnipeg, $5062. Noted Apr. 3.